FOREWORD

This publication is the twenty-first in the Yearbook series initiated in 1963. The same format, which includes recent and historical data from 1949, has been continued for the convenience of users. In addition, this issue contains estimates and data converted to the International Standards. The metric conversion factors used are shown in the Sources and Methods Section. Minor changes are also made annually whenever new or more detailed information becomes available. Revisions in previous years' estimates are made as more recent and more accurate data are received.

The census division and crop district boundaries were changed in 1976. The first small area estimates using new boundaries were made in 1977. These estimates by crop districts are made annually for seeded area and production of wheat, oats, barley, flaxseed, canola (rapeseed) and hay; cattle and hog numbers on farms, as of July 1.

Cooperation between Statistics Canada and Manitoba Agriculture is maintained so as to secure and to present the best possible agricultural statistics. The assistance of many contributors of information received from other government departments, farm businesses, farmer organizations and farmers is acknowledged. Sincere appreciation is extended to the secretarial staff of the Economic Analysis and Policy Development Branches for typing, collating and editing the manuscript.

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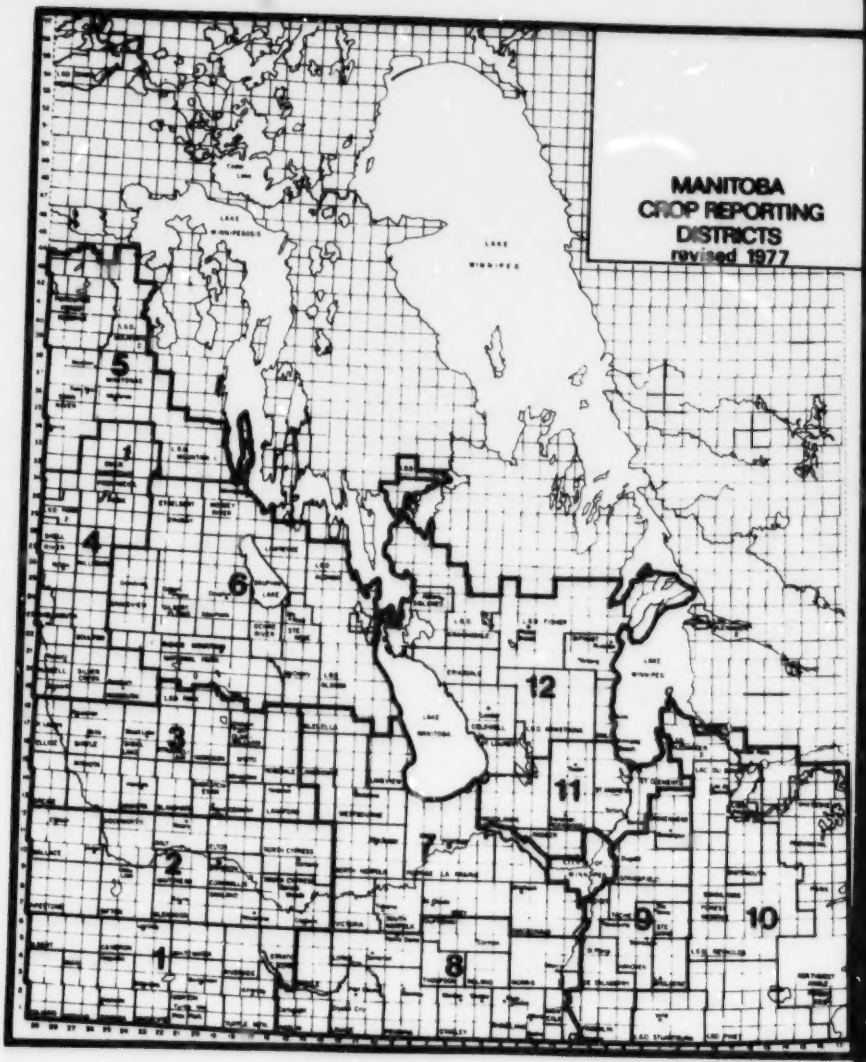
MANITOBA
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1983 IN BRIEF VALUE OF FARM PRODUCTION

The total value of farm production in 1983 was estimated at $1,993.8 million, a decrease of 1.1 percent from 1982. Although farmers received higher prices for most crops, the increase in price was insufficient to counteract the influence a reduction in yield for most crops and less area seeded for some crops. The net effect was a 2.9 percent fall in the 1983 value of crop production. However, increased marketings of hogs, higher cattle numbers in combination with increased prices and greater production values for dairy and poultry products have contributed to a 3.8 percent increase in the value of livestock production from the 1982 level. The value of livestock production represented 29.3 percent of the total value of agriculture production in the province in 1983, up 1.4 percent from the previous year. The value of dairy and poultry production increased by 2.5 and 0.3 percent respectively from 1982 levels.

Farm Production Value, Manitoba, 1981 - 1982 - 1983 (million dollars)

	1981	1982	1983
Crops	1,451.0	1,434.0	1,392.0
Livestock	524.0	562.0	583.4
Honey & Wax	10.7	11.0	9.9
Other (Fur, P.M.U., Forest, etc.)	5.3	8.0	8.5
TOTAL	1,991.0	2,015.0	1,993.8

Cash Income

Farm cash income includes the proceeds from the sale of agricultural products sold off the farm through the regular market channels. All deficiency, supplementary and final Canadian Wheat Board payments are included. In 1983 cash income was estimated at $1,743,446,000, an increase of 4.9 and 2.7 percent over 1981 and 1982 respectively.

Farm Net Income

Realized farm net income is determined by summing total cash receipts plus income in kind and subtracting cash and overhead expenses. In 1983, realized net farm income increased by 22.8 percent from 1982 as a result of a moderate gain in receipts as farmers drew down inventories and a slight decline in farm operating and depreciation expenses. Realized net income per farm in 1983 was estimated at $9,945.00, up 30 percent from the 1982 value.

Total net farm income equals realized farm net income less the value of inventory change. In 1983, the value of inventory decreased by $142,563,000. This decrease in the value of inventory, the largest since the drought in 1980, was a factor influencing the 54.2 percent decline in 1983 total net income.

Farm Net Income Summary, 1981 - 1983 (thousand dollars)

	1981	1982	1983
Farm Cash Receipts	1,662,445	1,697,271	1,743,446
Income in Kind	21,438	19,873	19,270
Realized Gross Income	1,683,883	1,717,144	1,762,716
Operating & Depreciation Costs	1,429,552	1,482,270	1,474,297
Realized Net Income	254,331	234,874	288,419
Value of Inventory Change	174,897	83,852	-142,563
TOTAL NET INCOME	429,228	318,726	145,856

Crop Production

The total area cropped in 1983 was estimated at 4 427 700 hectares (10,940,781 acres), up 1.2 percent from 1983. Increases of 15.0, 11.6, 5.2 and 4.0 percent in the seeded area to wheat, canola (rapeseed), rye and tame hay respectively off-set declines of 8.2, 12.5, 16.6 and 20.6 in plantings of oats, barley, flaxseed and special crops. With the exception of the gross yield for buckwheat, yields of all other crops were below 1982 levels.

In absolute dollars, total farm operating and depreciation expenses were the second highest on record, although relative to 1982, costs in 1983 were down 0.5 percent. Increased expenditures on fuel, pesticides, building repairs and utilities were off-set by reduced costs for credit, rent, fertilizers and livestock inputs. In 1983 interest costs continued to decline and were down 7.8 percent from the 1982 level. Interest expenditures accounted for 13.0 percent of total operating expenditures. This value is comparable to 14.2 percent in 1982.

Cool daytime temperatures, below freezing temperatures at night, strong winds and low soil temperatures caused delays in the start of spring seeding operations, particularly in the Northwest Region. Spring field work and planting became general in most regions by the end of the second week in May. Warmer temperatures and adequate rainfall in June aided plant development and in most areas crops were in good condition. However, in late July and August high temperatures and reduced precipitation contributed to crop stress and resulted in a reduction in potential yields. Yields for all crops in 1983 were below levels achieved in 1982. Harvesting operations were started by August 12th and became general the following week.

CROPS

1983 Summary of Production

Crop	Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Per Tonne $	Farm Value Total ($000)
Wheat	1 862 000	1 831	3 410 000	180.00	613,800
Oats	223 000	1 798	401 000	110.00	44,110
Barley	708 000	2 244	1 589 000	120.00	190,680
Flaxseed	303 500	979	297 000	290.00	86,130
Canola (Rapeseed)	384 000	1 062	408 000	375.00	153,000
Rye	85 000	1 918	163 000	100.00	16,300
Mixed Grains	48 600	2 017	98 000	118.00	11,564
Grain Corn	81 000	2 827	229 000	138.00	31,602
Field Peas	40 500	1 679	68 000	192.00	13,056
Buckwheat	36 400	657	23 900	290.00	6,931
Sunflowers	40 500	1 121	45 400	330.00	14,982
Mustard Seed	12 100	959	11 600	302.59	3,510
Forage Seeds	—	—	—	—	7,371
Other Special Crops	29 700	—	—	—	8,810
Tame Hay	526 000	4 139	2 177 000	54.85	119,411
Silage Corn	20 200	15 248	308 000	20.90	6,437
Sugar Beets	11 200	27 340	306 210	34.30	10,503
Horticulture					
Potatoes	16 000	16 100	258 000	104.97	27,082
Other Vegetables	—	—	—	—	8,037
Greenhouse and Mushrooms	—	—	—	—	5,900
Nursery Products and Sod	—	—	—	—	8,750
Miscellaneous	—	—	—	—	4,500
	4 427 700				1,392,466

	Acres	Yield Per Acre (bushels)	Production (bushels)	Farm Value Per Bushel $	Farm Value Total ($000)
Wheat	4,600,000	27.2	125,300,000	4.89	613,800
Oats	550,000	47.3	26,000,000	1.70	44,110
Barley	1,750,000	41.7	73,000,000	2.61	190,680
Flaxseed	750,000	15.6	11,700,000	7.36	86,130
Canola (Rapeseed)	950,000	18.9	18,000,000	8.50	153,000
Rye	210,000	30.6	6,420,000	2.54	16,300
Mixed Grains	120,000	40.0	4,800,000	2.41	11,564
Grain Corn	200,000	45.0	9,000,000	3.51	31,602
Field Peas	100,000	25.0	2,500,000	5.22	13,056
Buckwheat	90,000	12.2 (pounds)	1,100,000 (pounds)	6.30 (per pound)	6,931
Sunflowers	100,000	1,000	100,000,000	.15	14,982
Mustard Seed	30,000	850	25,500,000	.14	3,510
Forage Seeds	—	—	—	—	7,371
Other Special Crops	73,500	— (tons)	— (tons)	— (per ton)	8,810
Tame Hay	1,300,000	1.85	2,400,000	49.76	119,411
Silage Corn	50,000	6.80	340,000	18.93	6,437
Sugar Beets	27,781	12.15 (cwt)	337,539 (cwt)	31.11 (per cwt)	10,503
Horticulture					
Potatoes	39,500	144.0	5,701,000	4.75	27,082
Other Vegetables	—	—	—	—	8,037
Greenhouse and Mushrooms	—	—	—	—	5,900
Nursery Products and Sod	—	—	—	—	8,750
Miscellaneous	—	—	—	—	4,500
	10,940,781				1,392,466

WHEAT

Total production in 1983 was estimated at 3 410 000 tonnes (125,300,000 bushels), down 7.9 percent from last year. In 1983 prices were estimated to average $180 per tonne ($4.89 per bushel), up 10.8 percent from 1982. The value of the 1983 crop was estimated at $613,800,000.

Over the past twenty years, the area seeded to wheat has averaged 1 293 400 hectares (3,196,058 acres), although in the period 1969 to 1972, seeded area was 432 000 hectares (1,067,833 acres) below the average. Record areas of 1 578 000, 1 619 000 and 1 862 000 hectares (3,900,000, 4,000,000 and 4,600,000 acres) were seeded in 1981, 1982 and 1983. Annual variations in seeded area are caused by weather conditions during planting and producers' responses to expected future market demand.

The area seeded, average yields and total production during the past two crop years are shown in the following tables.

Crop District	Planted Hectares (000)		Yield per Hectare (kilograms)		Production (tonnes)	
	1982	1983	1982	1983	1982	1983
1	206	252	2 262	1 692	466 000	426 300
2	170	194	2 222	1 824	377 700	353 800
3	180	206	2 222	1 979	399 900	407 700
4	83	89	1 817	1 910	150 800	170 000
5	87	87	2 369	1 649	206 100	143 500
6	112	121	2 057	1 674	230 400	202 500
7	216	253	2 427	1 867	524 200	472 300
8	272	325	2 513	2 036	683 500	661 800
9	142	160	2 397	1 854	340 400	296 600
10	19	23	1 868	1 557	35 500	35 800
11	85	98	2 346	1 659	199 400	162 600
12	47	54	1 853	1 455	87 100	77 100
PROVINCE	1 619	1 862	2 286	1 831	3 701 000	3 410 000

	Planted Acres (000)		Yield per Acre (bushels)		Production (000 bushels)	
	1982	1983	1982	1983	1982	1983
1	509	623	33.6	25.1	17,122	15,664
2	419	479	33.1	27.1	13,880	13,002
3	445	510	33.0	29.4	14,696	14,981
4	206	219	26.9	28.5	5,542	6,247
5	215	216	35.2	24.4	7,572	5,275
6	276	298	30.7	25.0	8,466	7,440
7	535	625	36.0	27.8	19,263	17,353
8	672	804	37.4	30.2	25,115	24,317
9	351	395	35.6	27.6	12,509	10,897
10	46	56	26.4	23.5	1,306	1,314
11	211	243	34.7	24.6	7,327	5,975
12	115	132	27.8	21.5	3,202	2,835
PROVINCE	4,000	4,600	34.0	27.2	136,000	125,300

Durum wheat is included in total wheat production. Seeded area was estimated at 81 000 hectares (200,000 acres) in 1983, unchanged from the 1982 level. Average yield was 1 778 kilograms per hectare (26.5 bushels per acre), compared to 2 247 kilograms per hectare (33.5 bushels per acre) in 1982. Total production was estimated at 144 000 tonnes (5,300,000 bushels), a decrease of 20.9 percent from 1982. Durum wheat production was concentrated primarily in the southernmost crop districts in the province.

The following table presents the estimated percentage distribution of wheat on farms by grade, including carryover from the previous year. In 1983, a greater proportion of the Spring and Durum wheat graded No. 2 or better than was the case in 1982.

	Bread Wheat	
	1982	1983
	(percent)	
No. 1 C.W.R.S.	11.7	30.3
No. 2 C.W.R.S.	28.7	33.0
No. 3 C.W.R.S.	24.7	23.5
No. 1 & 2 Utility	14.2	11.8
Others	20.7	1.4
TOTAL ALL GRADES	100.00	100.0

	Durum Wheat	
	1982	1983
	(percent)	
No. 1 C.W. Amber Durum	—	—
No. 2 C.W. Amber Durum	8.0	20.5
No. 3 C.W. Amber Durum	50.0	55.8
No. 4 C.W. Amber Durum	34.7	21.8
No. 5 C.W. Amber Durum	7.3	1.9
TOTAL ALL GRADES	100.00	100.0

Although crop yields in 1983 were down from record levels in 1982, protein content this year was, on average, up 0.9 percent. The greatest improvement in protein content occurred in crop districts 8, 9 and 12. The variations among the different crop districts are shown in the following records for the last two years.

Percent Protein in Wheat No. 1 R.S.C.W.

	1982		1983	
Crop District	Mean	Range	Mean	Range
1	14.1	10.6 - 17.5	15.0	11.2 - 17.8
2	14.3	10.5 - 17.6	15.0	11.5 - 17.4
3	14.1	10.8 - 17.9	14.4	10.6 - 17.2
4	14.9	10.8 - 17.8	14.4	11.5 - 17.8
5	13.6	10.3 - 17.0	13.9	11.6 - 16.1
6	13.6	9.5 - 16.2	13.8	10.5 - 16.2
7	13.9	9.5 - 16.8	14.8	11.1 - 18.9
8	13.9	10.8 - 16.6	15.3	11.7 - 18.5
9	13.5	10.0 - 15.9	14.7	11.4 - 18.0
10	13.6	13.0 - 14.2	N.A.	N.A.
11	13.6	10.7 - 17.3	14.3	11.6 - 16.3
12	12.8	9.6 - 15.2	14.3	12.0 - 17.2
PROVINCE	13.8		14.7	

Wheat sales since the beginning of the 1983-84 crop year increased approximately 3.1 percent from the previous year. In the period August 1 to the end of December, 1983 (end of week 23) country elevator receipts were 1 297 800 tonnes (47.7 million bushels) compared to 1 375 000 tonnes (50.6 million bushels) for the corresponding period in 1982. In the 1982-83 crop year approximately 292 000 tonnes (11.0 million bushels) were used for seed and feed on Manitoba farms.

Wheat prices during the period August 1 to December 31, 1983 were on average higher than values for the same period in 1982. Durum wheat prices were also higher in 1983. The average farm value for all wheat for the 1983-84 crop year was estimated at $180 per tonne ($4.89 per bushel) after deducting transportation, handling, administration and storage charges.

1983 Wheat Crop Prices

Grade	— Dollars per Tonne at Thunder Bay — — Wheat Board Quotations — Jan.	Feb.	Mar.	Apr.	May	June	July
1 C.W. Red Spring 13.5%	204.86	204.69	208.20	209.72	210.65	204.29	205.64
2 C.W. Red Spring 13.5%	199.26	199.09	202.60	204.12	205.05	198.69	200.04
3 C.W. Red Spring	189.26	189.09	192.60	194.12	195.05	188.69	190.04
No. 1 Canada Utility	188.86	185.09	188.60	190.12	191.05	184.69	186.04
No. 2 Canada Utility	182.66	177.09	180.60	182.12	183.05	176.69	178.04
1 C.W. Amber Durum	198.46	189.38	198.29	214.71	218.22	211.78	212.94
2 C.W. Amber Durum	193.46	184.38	193.29	209.71	213.22	206.78	207.94
3 C.W. Amber Durum	188.46	179.38	188.29	204.71	208.22	201.78	202.94

	Aug.	Sept.	Oct.	Nov.	Dec.	Initial Payment 1983-84
1 C.W. Red Spring 13.5%	213.15	211.97	209.10	206.27	212.84	172.21
2 C.W. Red Spring 13.5%	207.55	206.37	203.50	200.67	207.34	164.21
3 C.W. Red Spring	197.55	196.37	193.50	190.67	197.24	159.21
No. 1 Canada Utility	193.55	192.37	189.50	186.67	193.24	155.21
No. 2 Canada Utility	185.55	184.37	181.50	178.67	185.24	141.21
1 C.W. Amber Durum	228.35	237.73	229.62	232.86	234.59	165.00
2 C.W. Amber Durum	223.35	232.73	224.62	227.86	229.59	162.21
3 C.W. Amber Durum	218.35	227.73	219.62	222.86	224.59	160.21

OATS

Total production was estimated at 401 000 tonnes (26,000,000 bushels) with a total farm value of $44,110,000, down 6.4 percent from 1982. A 23.3 percent decline in average yields in 1983 in combination with an 8.3 percent decrease in seeded area resulted in a 29.7 percent fall in total production from the previous year. Oat production in the province continues to be down substantially from the pre-1977 period.

Crop District	Harvested Hectares (000) 1982	1983	Yield per Hectare (kilograms) 1982	1983	Production (tonnes) 1982	1983
1	26	20	2 400	1 730	63 000	34 600
2	44	37	2 500	1 854	108 000	68 600
3	23	20	2 400	2 010	55 000	40 200
4	12	9	1 800	1 856	21 000	16 700
5	11	9	2 100	1 750	24 000	14 000
6	32	34	2 200	1 741	70 000	59 200
7	32	29	2 500	1 886	80 000	52 800
8	14	16	2 800	1 969	39 000	31 500
9	18	16	2 300	1 956	42 000	31 300
10	6	5	2 300	1 500	14 000	7 500
11	9	7	2 700	1 700	24 000	11 900
12	16	21	1 900	1 557	31 000	32 700
PROVINCE	243	223	2 300	1 798	571 000	401 000

Crop District	Harvested Acres (000) 1982	1983	Yield per Acre (bushels) 1982	1983	Production (000 bushels) 1982	1983
1	64	50	63.6	44.8	4,072	2,241
2	110	92	63.7	48.4	7,006	4,451
3	57	50	62.2	52.1	3,547	2,605
4	29	22	46.3	49.1	1,342	1,081
5	26	21	58.9	43.1	1,531	906
6	79	83	57.6	46.3	4,554	3,839
7	78	70	66.3	49.0	5,175	3,427
8	35	39	71.9	52.3	2,517	2,041
9	44	40	62.6	50.7	2,753	2,028
10	16	13	55.4	37.5	886	487
11	23	18	68.1	43.1	1,567	775
12	39	52	52.6	40.8	2,050	2,119
PROVINCE	600	550	61.7	47.3	37,000	26,000

Oats for hay is not included in the above data. In 1983 an additional 20 200 hectares (50,000 acres) of oats were planted and cut for hay.

The quality of the oat crop declined in 1983 from the previous year, as only 3.5 percent graded above No. 1 Feed compared to 9.1 percent in 1982. The percentage of the crop grading No. 1 Feed declined to 75.6 percent in 1983, down 3.9 percent from 1982.

Sales of oats have increased slightly since the beginning of the crop year. In the period August 1 to December 31, 1963 (end of week 23) 23 300 tonnes (1.5 million bushels) were delivered by producers to primary elevators. These data compare with a 1982 delivery total of 22 100 tonnes (1.4 million bushels).

In the first half of the year prices received by producers for oats were substantially below levels paid in 1982. However, by August, prices strengthened sharply and remained above the 1982 level for the balance of the year. The average 1983 price received by Manitoba farmers was $112.00 per tonne ($1.73 per bushel).

1983 Oat Crop Prices

Grade	— Dollars per Tonne at Thunder Bay — — Winnipeg Commodity Exchange Cash Quotations — Jan.	Feb.	Mar.	Apr.	May	June	July
2 C.W.	98.67	103.50	109.06	103.08	103.43	98.56	98.29
Ex. 1 Feed	97.58	101.80	107.06	101.88	102.43	97.56	97.29
1 Feed	95.89	100.50	105.06	99.08	98.62	94.40	93.39
2 Feed	92.39	97.00	101.56	95.58	95.12	90.90	89.89
3 Feed	89.39	94.00	98.56	92.58	92.12	87.90	86.89

	Aug.	Sept.	Oct.	Nov.	Dec.	Initial Payment 1983-84
2 C.W.	106.36	128.74	138.43	130.47	126.92	104.00
Ex. 1 Feed	105.36	127.74	137.43	129.47	125.90	102.00
1 Feed	100.88	124.99	133.63	125.76	221.82	100.00
2 Feed	97.38	121.50	130.13	122.26	118.29	95.92
3 Feed	94.38	118.50	127.13	119.26	115.28	92.92

BARLEY

Barley production was down 33.0 percent in 1983 compared to 1982. A total harvested area of 708 000 hectares (1,750,000 acres) and an average yield of 2 244 kilograms per hectare (41.7 bushels per acre) combined to produce 1 589 000 tonnes (73,000,000 bushels) in 1983. The 1983 total farm value of production was $190,680,000, down 22.9 percent from 1982 as a result of lower yields and a reduced harvested area.

Crop District	Harvested Hectares (000)		Yield per Hectare (kilograms)		Production (tonnes)	
	1982	1983	1982	1983	1982	1983
1	83	68	2 982	2 265	247 500	154 000
2	91	81	3 004	2 356	273 400	190 800
3	123	106	2 893	2 472	355 800	262 000
4	41	34	2 112	2 082	86 600	70 800
5	39	36	2 646	1 783	103 200	64 200
6	53	43	2 598	1 886	137 700	81 100
7	105	96	3 172	2 322	333 100	222 900
8	119	100	3 431	2 618	408 300	261 800
9	55	50	2 929	2 366	161 100	118 300
10	9	10	2 567	1 760	23 100	17 600
11	52	49	3 050	1 888	158 600	92 500
12	39	35	2 169	1 514	84 600	53 000
PROVINCE	809	708	2 933	2 244	2 373 000	1 589 000

	Harvested Acres (000)		Yield per Acre (bushels)		Production (000 bushels)	
	1982	1983	1982	1983	1982	1983
1	206	169	55.2	41.9	11,370	7,074
2	224	200	56.1	43.8	12,557	8,765
3	305	262	53.6	45.9	16,342	12,033
4	101	83	39.4	39.2	3,977	3,253
5	97	90	48.9	32.8	4,739	2,952
6	131	105	48.3	35.5	6,326	3,728
7	260	238	58.8	43.0	15,300	10,237
8	294	248	63.8	48.5	18,756	12,024
9	136	124	54.4	43.8	7,401	5,437
10	23	24	46.1	33.8	1,059	810
11	128	121	56.9	35.1	7,286	4,251
12	95	86	40.9	28.3	3,887	2,436
PROVINCE	2,000	1,750	54.5	41.7	109,000	73,000

The quality of the 1983 crop in total was down from 1982, although the proportion of the top grade was up 1.4 percent from last year. The percentage grading No. 2 C.W. was 7.6 percent in 1983 compared to 6.2 percent in 1982, while 74.0 percent of the 1983 crop graded No. 1 Feed, down from 79.0 percent in 1982.

Grade	1982 percent	1983 percent
2 C.W. and higher, 2-Row and 6-Row	6.2	7.6
No. 1 Feed	79.0	74.0
No. 2 Feed and lower	14.8	18.4
TOTAL ALL GRADES	100.0	100.0

Barley sales were down slightly in 1983 compared to 1982. Deliveries by producers to the end of December, 1983 (end of week 23) in the 1983-84 crop year totalled 427 400 tonnes (19.6 million bushels) compared with 418 900 tonnes (19.2 million bushels) for the same period in 1982.

Barley prices for all grades were down an estimated 12.2 percent from the average price in 1982. Prices in the first half of the year were approximately 17.3 percent lower than in the following six months. The average farm price of barley was estimated at $120.00 per tonne ($2.61 per bushel).

1983 Barley Crop Prices

	— Dollars per Tonne at Thunder Bay — — Winnipeg Commodity Exchange Cash Quotations —						
Grade	Jan.	Feb.	Mar.	Apr.	May	June	July
1 C.W. 6-Row	114.32	112.06	108.63	112.08	108.92	104.49	101.75
2 C.W. 6-Row	114.32	112.06	108.63	112.08	108.92	104.49	101.75
1 C.W. 2-Row	114.32	112.06	108.63	112.08	108.92	104.49	101.75
2 C.W. 2-Row	114.32	112.06	108.63	112.08	108.92	104.49	101.75
1 Feed	101.36	104.34	103.63	107.18	103.88	99.23	96.58
2 Feed	100.22	102.79	101.76	105.23	102.38	97.74	95.08
3 Feed	94.86	97.84	96.80	100.23	97.38	92.74	90.08

	Aug.	Sept.	Oct.	Nov.	Dec.	Initial Payment 1983-84
1 C.W. 6-Row	121.35	133.90	140.12	136.08	133.64	112.93
2 C.W. 6-Row	121.35	133.90	140.12	136.08	133.64	111.93
1 C.W. 2-Row	121.35	133.90	140.12	136.08	133.64	112.93
2 C.W. 2-Row	121.35	133.90	140.12	136.08	133.64	111.93
1 Feed	113.19	127.82	135.22	131.59	128.99	110.00
2 Feed	111.69	126.27	133.77	130.06	127.76	107.43
3 Feed	106.69	121.32	128.77	125.09	122.49	102.43

FLAXSEED

Production decreased by 30.0 percent over 1982 because of a 16.7 percent decrease in seeded area and a 16.1 percent decline in yield. Manitoba farmers produced an estimated 63.9 percent of Canadian production at a total value of $86,130,000 in 1983.

Quality of the 1983 crop was above that of 1982. Approximately 85 percent of the 1983 crop graded No. 1 C.W. compared to 82 percent in 1982.

Crop District	Planted Hectares (000)		Yield per Hectare (kilograms)		Production (tonnes)	
	1982	1983	1982	1983	1982	1983
1	60.0	52.2	1 088	904	65 300	47 200
2	34.5	26.7	1 067	985	36 800	26 300
3	21.8	13.0	1 014	1 115	22 100	14 500
4	3.1	2.7	839	1 000	2 600	2 700
5	6.2	3.0	1 032	1 033	6 400	3 100
6	19.8	9.8	1 025	898	20 300	8 800
7	71.4	61.9	1 230	956	87 800	59 200
8	98.8	93.0	1 315	1 057	129 900	98 300
9	22.8	20.9	1 202	1 014	27 400	21 200
10	4.0	3.8	800	868	3 200	3 300
11	10.7	11.6	1 252	784	13 400	9 100
12	10.9	4.9	807	714	8 800	3 500
PROVINCE	364.0	303.5	1 165	979	424 000	297 200

	Planted Acres (000)		Yield per Acre (bushels)		Production (000 bushels)	
	1982	1983	1982	1983	1982	1983
1	148.2	128.9	17.4	14.4	2,573.0	1,858.5
2	85.3	65.9	17.0	15.7	1,447.9	1,033.5
3	53.8	32.2	16.2	17.7	871.5	570.7
4	7.8	6.6	13.2	16.0	103.1	105.4
5	15.3	7.5	16.4	16.2	251.4	121.6
6	49.1	24.2	16.3	14.4	799.6	347.7
7	176.5	152.9	19.6	15.2	3,458.4	2,331.1
8	244.1	229.9	21.0	16.8	5,116.3	3,869.2
9	56.4	51.8	19.2	16.1	1,080.6	833.1
10	10.0	9.3	12.5	14.1	125.3	131.1
11	26.5	28.6	19.9	12.6	526.2	360.0
12	27.0	12.2	12.8	11.3	346.7	138.1
PROVINCE	900.0	750.0	18.6	15.6	16,700.0	11,700.0

FLAXSEED

Flaxseed deliveries increased in 1983. From August 1 to December 31, 1983 (end of week 23), 143 000 tonnes (5,629,700 bushels) were delivered compared with 114 600 tonnes (4,512,000 bushels) during the same period in 1982.

Flaxseed prices in 1983 averaged approximately 0.6 percent below the 1982 level. Prices, in general, strengthened during the first three quarters, although a short-term fall in price did occur in August. Prices in the fourth quarter were down slightly from levels achieved in the previous three quarters. The average price for flaxseed in 1983 was estimated at $290.00 per tonne ($7.36 per bushel).

1983 Flaxseed Crop Prices

	— Dollars per Tonne at Thunder Bay — — Winnipeg Commodity Exchange Cash Quotations —					
Grade	Jan.	Feb.	Mar.	Apr.	May	June
1 Canada	286.20	289.47	286.04	288.24	288.81	288.01
2 Canada	284.20	286.12	284.04	286.24	286.82	286.01
3 Canada	251.20	253.12	251.04	253.24	253.81	253.01
	July	Aug.	Sept.	Oct.	Nov.	Dec.
1 Canada	294.67	349.31	399.62	378.39	366.11	375.99
2 Canada	292.67	347.31	397.62	376.39	364.11	374.05
3 Canada	259.67	314.31	364.62	343.39	331.11	341.05

RYE

Total farm value of production was estimated at $16,300,000. Harvested area was 85 000 hectares (210,000 acres) in 1983 compared to 80 800 hectares (200,000 acres) in 1982. The average yield was estimated at 1 918 kilograms per hectare (30.6 bushels per acre) in 1983 compared to 2 260 kilograms per hectare (36.0 bushels per acre) in 1982. Of the total rye area, 2 000 hectares (5,000 acres) of Spring rye were sown in 1983 compared to 2 800 hectares (7,000 acres) in 1982. Production of all rye at 163 000 tonnes (6,420,000 bushels) was the third largest crop produced on record.

No. 1 Canada rye prices in the first seven months of 1983 were lower than for the same period in 1982. However, monthly average prices in the remaining five months of the year were above the values for corresponding months in 1982. The producer price in 1983 was estimated to average $100.00 per tonne ($2.54 per bushel).

1983 Rye Crop Prices

	— Dollars per Tonne at Thunder Bay — — Winnipeg Commodity Exchange Cash Quotations —					
Grade	Jan.	Feb.	Mar.	Apr.	May	June
1 Canada	116.90	117.43	116.45	122.23	120.28	116.66
2 Canada	114.90	115.43	114.45	120.28	118.28	114.66
3 Canada	86.90	87.43	86.45	92.23	90.28	86.66
Ergoty	77.90	78.43	77.45	83.23	81.28	77.66
	July	Aug.	Sept.	Oct.	Nov.	Dec.
1 Canada	118.71	148.04	160.05	151.53	151.15	142.30
2 Canada	116.71	146.04	158.05	149.53	149.15	140.35
3 Canada	88.71	118.04	130.05	121.53	121.15	112.35
Ergoty	79.71	108.68	119.15	112.53	112.15	103.35

MIXED GRAINS

An estimated 98 000 tonnes (4.8 million bushels) were produced in 1983 compared to 131 000 tonnes (6.4 million bushels) in 1982, a decrease of 25.2 percent. Planted area in 1983 was unchanged from the 1982 figure of 48 600 hectares (120,000 acres). At $118.00 per tonne ($2.41 per bushel) on average, up from 1982, the 1983 crop was valued at $11,564,000 compared to $16,320,000 in 1982. The average yield was estimated at 2 017 kilograms per hectare (40 bushels per acre).

GRAIN CORN

Grain corn plantings in 1983 were estimated at 81 000 hectares (200,000 acres), which paralleled the area harvested as grain corn in 1982. The estimated total production of 229 000 tonnes (9,000,000 bushels) was generally of good quality, but approximately 10% below 1982 production.

The average yield of grain corn was estimated at 2 820 kilograms per hectare (45 bushels per acre). This low average yield was a direct result of a severe outbreak of the European corn borer in south-central Manitoba, and lack of adequate moisture during the later part of the growing season. An estimated 43 200 tonnes (1,700,000 bushels) were sold into the Manitoba distilling industry. The remaining grain corn was sold into the Western Canadian feed market, for ethanol production, to feedlot operators, and used for on-farm feeding. Growers received an average price of $138.00 per tonne ($3.50 per bushel), basis 2 C.W. grade for their 1983 crop.

FIELD PEAS

The 1983 field pea plantings were estimated at 40 500 hectares (100,000 acres), a reduction of about 10% from 1982. These plantings represented about 65% of the field peas grown in Canada. The average yield was estimated at 1 680 kilograms per hectare (25 bushels per acre), a small reduction from 1982. The quality of the crop was generally good. Due to very dry conditions during harvest, an unusually high level of splitting presented a problem in the cleaning process. Growers received an average price of $192.00 per tonne ($5.22 per bushel) basis No. 2 Canada grade for their 1983 crop.

BUCKWHEAT

Buckwheat plantings were estimated at 36 400 hectares (90,000 acres), a reduction of 22% from 1982. The average yield was estimated at 656 kilograms per hectare (12.2 bushels per acre) which is somewhat below the long term average in Manitoba. The main reasons for the lower yield were abnormally hot weather during the flowering period and low precipitation. The variety Mancan accounted for about 90% of total provincial production. Growers received an average price of $290.00 per tonne ($6.25 per bushel) for the large seeded variety Mancan, and $240.00 per tonne ($5.25 per bushel) for common buckwheat.

SUNFLOWER

The 1983 sunflower plantings were estimated at 40 500 hectares (100,000 acres), a sharp decline of 40% from 1982. Manitoba's area accounted for 86% of the plantings in Western Canada.

The average yield of sunflowers was estimated at 1 120 kilograms per hectare (1,000 pounds per acre). An estimated 95% of Manitoba oilseed sunflower plantings were established with varieties of the hybrid type. Growers received an average price of 33 cents per kilogram (15 cents per pound) for their oilseed sunflowers. Confection sunflowers accounted for 5% of the sunflower plantings, and also provided an average price of 33 cents per kilogram (15 cents per pound) to the grower.

OTHER SPECIAL CROPS

Plantings of other special crops included 10 120 hectares (25,000 acres) of lentils, 8 900 hectares (22,000 acres) of canary seed, 4 050 hectares (10,000 acres) of fababeans, 3 640 hectares (9,000 acres) of soybeans, and 3 040 hectares (7,500 acres) of field beans. The total value of these crops was estimated at $3,250,000 for lentils, $1,300,000 for canary seed, $850,000 for fababeans, $1,683,000 for soybeans, and $1,727,000 for field beans. Estimated average prices to growers were 28.6 cents per kilogram (13 cents per pound) for lentils, 21 cents per kilogram (9.5 cents per pound) for canary seed, 18.7 cents per kilogram (8.5 cents per pound) for fababeans, 31.2 cents per kilogram (14.2 cents per pound) for soybeans, and 42.0 to 63.8 cents per kilogram (19 to 29 cents per pound) for field beans.

CANOLA (RAPESEED)

Canola (rapeseed) plantings increased to 384 000 hectares (950,000 acres) in 1983 from 344 000 hectares (850,000 acres) in 1982. The average yield was estimated at 1 062 kilograms per hectare (18.9 bushels per acre) compared to 1 221 kilograms per hectare (21.8 bushels per acre). Approximately 71 percent of the crop graded No. 1 Canada and 22 percent No. 2 Canada. Growers received an average price of approximately $375.00 per tonne ($8.50 per bushel). The value of the crop in 1983 was $153,000,000.

Crop District	Planted Hectares (000)		Yield per Hectare (kilograms)		Production (tonnes)	
	1982	1983	1982	1983	1982	1983
1	42.0	44.9	1 183	960	49 700	43 100
2	33.8	37.1	1 195	1 129	40 400	41 900
3	43.1	50.3	1 176	1 171	50 700	58 900
4	14.9	21.7	1 087	1 111	16 200	24 100
5	16.8	24.0	1 101	888	18 500	21 300
6	36.1	43.8	1 449	1 050	52 300	46 000
7	56.1	59.7	1 264	1 089	70 900	65 000
8	58.7	52.0	1 235	1 156	72 500	60 100
9	11.7	12.5	1 222	1 120	14 300	14 000
10	3.6	3.8	806	1 105	2 900	4 200
11	10.3	16.2	1 311	901	13 500	14 600
12	16.9	18.0	1 071	822	18 100	14 800
PROVINCE	344.0	384.0	1 221	1 062	420 000	408 000

	Planted Acres (000)		Yield per Acre (bushels)		Production (000 bushels)	
	1982	1983	1982	1983	1982	1983
1	103.8	111.0	21.1	17.1	2,190.4	1,899.5
2	83.4	91.8	21.3	20.1	1,778.0	1,849.0
3	106.5	124.3	21.0	20.9	2,232.2	2,597.6
4	36.9	53.8	19.3	19.8	713.9	1,064.7
5	41.6	59.4	19.6	15.8	813.4	939.0
6	89.1	108.3	25.9	18.7	2,305.7	2,030.3
7	138.6	147.5	22.5	19.4	3,123.6	2,865.5
8	145.1	128.7	22.0	20.6	3,194.3	2,651.3
9	29.0	31.0	21.7	20.0	629.2	619.6
10	8.8	9.6	14.6	19.2	128.7	184.6
11	25.4	40.0	23.4	16.2	593.1	646.4
12	41.8	44.6	19.1	14.6	797.5	652.5
PROVINCE	850.0	950.0	21.8	18.9	18,500.0	18,000.0

1983 Canola (Rapeseed) Crop Prices

Grade	— Dollars per Tonne at Thunder Bay — — Winnipeg Commodity Exchange Cash Quotations — Jan.	Feb.	Mar.	Apr.	May	June
1 Canada	296.17	289.41	281.18	295.49	299.58	280.35
2 Canada	283.17	276.41	267.92	282.49	286.58	267.35
	July	Aug.	Sept.	Oct.	Nov.	Dec.
1 Canada	296.51	348.64	403.89	395.82	379.78	371.46
2 Canada	283.51	335.64	390.89	382.82	366.78	358.46

MUSTARD

Mustard plantings were estimated at 12 145 hectares (30,000 acres), an increase of 20 percent from 1982. Yellow mustard accounted for 75 percent of the plantings, Brown mustard 17 percent, and Oriental mustard 8 percent. Average yields were estimated at 895 kilograms per hectare (800 pounds per acre) for Yellow, and 1 120 kilograms per hectare (1,000 pounds per acre) for Brown and Oriental. The average price to the grower was 32 cents per kilogram (14.5 cents per pound) basis No. 1 grade for Yellow mustard, and 26.5 cents per kilogram (12 cents per pound) for Brown and Oriental.

TAME HAY

Tame hay production was valued at $119,411,000 based on the average price of $54.85 per tonne ($49.76 per ton). Estimates on the production of wild hay and other crops such as wheat, oats and millet cut for hay are not available.

Crop District	Harvested Hectares (000) 1982	1983	Yield per Hectare (tonnes) 1982	1983	Production (tonnes) 1982	1983
1	37.3	38.8	4.50	3.26	168 000	126 300
2	51.7	54.2	4.81	3.90	248 900	211 400
3	33.6	33.9	4.10	3.76	137 700	127 300
4	18.6	17.5	2.95	4.14	54 900	72 500
5	18.1	18.2	4.27	5.21	77 200	94 800
6	66.0	73.5	4.02	4.95	265 600	363 600
7	51.8	54.1	4.90	4.32	253 800	233 900
8	31.2	32.2	4.85	4.16	151 200	134 100
9	44.5	43.0	4.83	4.29	215 000	184 600
10	29.4	32.1	4.47	4.30	131 500	137 900
11	36.6	36.7	4.85	4.16	177 500	152 700
12	87.2	91.8	4.43	3.68	386 700	337 900
PROVINCE	506.0	526.0	4.48	4.14	2 268 000	2 177 000

	Harvested Acres (000) 1982	1983	Yield per Acre (tons) 1982	1983	Production (000 tons) 1982	1983
1	92.2	96.0	2.01	1.45	185.2	139.2
2	127.6	134.0	2.15	1.74	274.3	233.1
3	83.0	83.7	1.83	1.68	151.8	140.3
4	45.9	43.4	1.32	1.84	60.5	80.0
5	44.7	45.1	1.90	2.32	85.1	104.5
6	163.1	181.6	1.80	2.21	292.8	400.8
7	128.0	133.6	2.19	1.93	279.8	257.9
8	77.1	79.7	2.16	1.86	166.7	147.9
9	109.9	106.2	2.16	1.92	237.0	203.5
10	72.7	79.3	1.99	1.92	144.9	152.0
11	90.3	90.6	2.17	1.86	195.7	168.3
12	215.5	226.8	1.98	1.64	426.2	372.5
PROVINCE	1,250.0	1,300.0	2.00	1.85	2,500.0	2,400.0

SILAGE

Silage corn area decreased from 31 200 hectares (77,000 acres) in 1982 to 20 200 hectares (50,000 acres) in 1983. Total production decreased from 481 000 tonnes (530,000 tons) in 1982 to 308 000 tonnes (340,000 tons) in 1983. The average yield was estimated at 15.2 tonnes per hectare (6.8 tons per acre) compared to 15.4 tonnes per hectare (6.88 tons per acre) in 1982.

SUGAR BEETS

Sugar beet plantings were 11 200 hectares (27,781 acres) in 1983, approximately the same as 1982. The average yield was 27.3 tonnes per hectare (12.15 tons per acre). Total production was estimated at 308 000 tonnes (337,539 tons) and valued at $10,503,003 (based on part payment only) in 1983. Total 1982 production was 372 300 tonnes (410,354 tons) and total value was $15,602,000.

HORTICULTURAL CROPS

Total Estimated Value for 1983 Production:

Potatoes	$27,082,000
Commercial Vegetables (Fresh)	6,037,000
Fruits	2,000,000
Environmentally Controlled Production (Greenhouse and Mushrooms)	5,900,000
Nursery Products and Sod	8,750,000
Miscellaneous	4,500,000
TOTAL	54,269,000

POTATOES

The area planted to potatoes for 1983 remained at 16 000 hectares (39,500 acres). Of this total 13.2 percent was produced for table stock, 78.6 percent for processing and 8.2 percent for seed. Gross production was estimated at 258 000 tonnes (5,701,000 cwt) and gross yield at 16.1 tonnes per hectare (144 cwt per acre). A higher than normal cullage rate is expected to reduce the marketable production to 205 800 tonnes (4,538,000 cwt).

Spring planting and early season growing conditions provided for normal plant development. Fully adequate rainfall to the end of June resulted in lush growth. Throughout July and August, above normal to record temperatures and lack of rainfall reduced crop potential, particularly of the late maturing varieties. Yields of Russet Burbank were particularly low with below average tuber size and abnormal tuber shape. Red skinned varieties produced a nearly normal yield but the percentage of small tubers was higher than normal.

Harvest conditions permitted the existing crop to enter storage in satisfactory condition and quality for processing (other than tuber size) and table stock was satisfactory.

Commercial fields of the new variety Shepody produced a higher percentage of marketable tubers than Russet Burbank but the gross yield was no better than the standard variety.

VEGETABLES

Commercial vegetable production in 1983 was estimated at 1 166 hectares (2,880 acres), a 12 percent decrease from 1982. Cabbage, carrot, lettuce and onion production showed sharp declines in planted area.

The 1983 production season was extremely variable with adverse weather conditions during much of the season. Cool to cold temperatures with damaging frosts were the dominate weather conditions in the spring. The summer months were extremely hot and dry, making continual irrigation for most crops a necessity. Fall harvest of storage crops progressed smoothly with weather only

slightly interfering with digging operations. No delays were experienced in moving root and bulb crops into storage.

Yields of cabbage, cauliflower and celery were severely reduced because of plant loss from adverse spring and summer weather conditions. The excessive summer heat and inability to maintain adequate levels of moisture reduced cooking onion yields by at least 33 percent. Green pepper yields were affected by excessive heat and corn borer damage. Yields of the remaining commodities were considered average to above average.

Commodity prices were stronger in 1983. Reduced production in other commercial areas and local home gardens created steady markets for all commodities. Quality ranged from fair to excellent.

1983 Fresh Vegetable Production and Farm Value, Manitoba

	Planted Area (hectares)	Average Yield (kg/ha)	Total Production (tonnes)	Average Price ($/kg)	Total Value ($000)
Asparagus	36.4	2 802	102	2.20	225.0
Beets	8.1	15 679	127	0.35	44.8
Broccoli	33.2	12 319	409	0.66	270.6
Cabbage	117.4	11 201	1 315	0.31	406.0
Carrots	107.2	37 948	4 071	0.24	985.3
Cauliflower	117.4	4 480	526	0.77	406.0
Celery	32.4	30 314	982	0.35	345.6
Corn	242.8	3 368	818	0.29	234.0
Cucumbers	44.5	16 809	748	0.57	429.0
Lettuce	2.4	15 833	38	1.15	43.7
Onions	263.5	17 366	4 576	0.37	1,715.4
Parsnips	32.4	12 870	417	0.57	239.2
Peppers	8.9	6 742	60	0.66	39.6
Radish	30.8	3 799	117	0.77	90.3
Squash	11.7	14 103	165	0.31	50.8
Tomatoes	6.1	2 623	16	0.55	8.8
Rutabagas	51.4	24 650	1 267	0.31	391.2
Snap Beans	9.7	2 680	26	1.01	26.7
Other Crops	10.1	—	—	—	85.0
TOTAL	1 166.4				6,037.0

	Planted Area (acres)	Average Yield (lb/acre)	Total Production (000 lbs)	Average Price ($/lb)	Total Value ($000)
Asparagus	90	2,500	225	1.00	225.0
Beets	20	14,000	280	0.16	44.8
Broccoli	82	11,000	902	0.30	270.6
Cabbage	290	10,000	2,900	0.14	406.0
Carrots	265	33,800	8,957	0.11	985.3
Cauliflower	290	4,000	1,160	0.35	406.0
Celery	80	27,000	2,160	0.16	345.6
Corn	600	3,000	1,800	0.13	234.0
Cucumbers	110	15,000	1,650	0.26	429.0
Lettuce	6	14,000	84	0.52	43.7
Onions	651	15,500	10,091	0.17	1,715.4
Parsnips	80	11,500	920	0.26	239.2
Peppers	22	6,000	132	0.30	39.6
Radish	76	3,400	258	0.35	90.3
Squash	29	12,500	363	0.14	50.8
Tomatoes	15	2,350	35	0.25	8.8
Rutabagas	127	22,000	2,794	0.14	391.2
Snap Beans	24	2,400	58	0.46	26.7
Other Crops	25	—	—	—	85.0
TOTAL	2,882				6,037.0

ORNAMENTALS

Nursery Stock Nursery crop production in 1983 covered 485 hectares (1,200 acres) with new production located mainly in the Northwest and Central Regions. A few smaller family-run nurseries were started in the Interlake and Eastern Regions of the province. Several larger growers have expanded production to meet some of the local demand for "planting out" or "liner" stock, but a large percentage of this planting stock continues to be imported from Europe, the northern United States and Britain.

In spite of a wet, slow spring which hampered retail sales and a very hot, dry July and August which caused some concern for field production, growth of field grown stock was acceptable.

The number of landscape contracting jobs increased from the previous two years, with bidding on these jobs being very competitive.

Nursery Sod Sod production decreased slightly from the previous year's level. Retail sales remained the same as in 1982, but, in some cases, prices fell. Although larger, established producers maintained their markets, smaller growers had to drop prices to retain theirs. Winterkill in 1982 reduced the area available for harvest this past year to approximately 800 hectares (2,000 acres).

Greenhouse Production Some moderate expansion in retro-fitting existing buildings occurred in the greenhouse industry in 1983. Prices for spring bedding plants were generally stable with some undercutting experienced in the latter part of the season. Sales of spring bedding plant crops were below the previous year's level due to cool spring selling conditions. Seasonal plant sales were strong, especially for quality growers, and prices remained unchanged from the year before. Imports from Ontario, British Columbia and the United States continued to limit opportunities for stronger growth in the industry.

Increased mushroom production from new facilities in the province has displaced some imports from the United States. Manitoba production averaged 13 608 to 18 144 kilograms (30,000 to 40,000 pounds) per week in 1983. Wholesale prices remained relatively stable and ranged from $3.08-3.63 per kilogram ($1.40-1.65 per pound). Local and import competition has kept producer prices stable over the past few years despite increasing production costs. However, increased production efficiency has partially offset rising costs of operation.

FRUIT

The area planted to strawberries increased by 22 percent from 1982 to total 202 hectares (500 acres) in 1983. The combination of no snow and ice-sheeting resulted in winter injury to 20 to 30 percent of the strawberry plants and reduced average yields to 4 485 kilograms per hectare (4,000 pounds per acre), approximately half of the previous year's level. Prices remained stable at $1.76 per kilogram ($0.80 per pound). New plantings in 1983 totalled 225 hectares (556 acres) with a higher than normal mortality (20 percent) due to environmental stress and suspected plant or root contamination.

New raspberry plantings continued to expand from 10 to 14 hectares (25 to 35 acres) in 1983 with a 100 percent increase expected in 1984 based on plant orders for nursery stock.

SEED PRODUCTION

Forage Seeds Total production of all forage seeds, including foreign and public varieties, decreased slightly from 7 580 000 kilograms (16,712,000 pounds) in 1982 to 7 420 000 kilograms (16,358,000 pounds) in 1983. Total farm value increased from $5,025,000 to $7,371,000 in 1983.

Once again, there was a decrease in the area harvested for forage seed in 1983. Most of the decrease came in Timothy which was responding to a low price cycle over the last several years. Due to weather conditions there was an increase in yield which offset the decrease in acreage. There was a large increase in production of Alfalfa seed due to a combination of improved yields and increased acreage. In total, the 1983 forage seed crop decreased by only 3 percent over the 1982 crop.

In general, the prices paid to producers held steady or advanced in relation to 1982 prices. Alfalfa, Meadow Fescue, single-cut Red Clover and Timothy recorded advances in prices. The firming up of prices was attributable to a stable supply and a strengthening in consumer demand. The following table indicates the average farm gate price for a combination of Certified and Common seed.

	Production		Price per		Farm Value
	kilograms (000)	pounds (000)	kilogram $	pound $	($000)
Alfalfa	1 300	2,870	1.98	0.90	2,583
Birdsfoot Trefoil	135	298	3.86	1.75	521
Bromegrass	75	165	0.77	0.35	58
Kentucky Bluegrass	110	243	0.66	0.30	73
Meadow Fescue	60	132	0.99	0.45	59
Single-Cut Red Clover	340	750	0.84	0.38	285
Sweet Clover	2 000	4,400	0.40	0.18	792
Timothy	3 400	7,500	0.88	0.40	3,000
	7 420	16,358			7,371

Pedigreed Seed Because of its importance in Manitoba agriculture, the area seeded to this type of crop production is given in detail. These figures are included in the estimates of total production of cereals, grasses and other crops. A portion of this seed is used in the province and part is exported. These are not included in the records of commercial marketings through elevators but are considered in the total value of crop production. In addition to the area detailed below, 3 436 hectares (8,491 acres) of unlicensed forage seed varieties were grown for export in 1983 compared to 5 213 hectares (12,881 acres) in 1982 and 7 499 hectares (18,530 acres) in 1981.

Foundation, Registered and Certified Seed

	Hectares		
Kind of Crop	1981	1982	1983
Wheat — Hard Red Spring	30 870	24 757	42 790
— Durum	4 640	3 575	3 448
— Utility	7 586	7 798	5 382
— Winter	—	229	338
Oats	3 294	2 216	2 000
Barley — 2 row	1 028	3 281	4 239
— 6 row	21 625	15 846	16 986
Rye — Fall	973	673	1 519
— Spring	97	41	54
Triticale	42	112	18
Flaxseed	12 952	14 703	18 623
Peas — Field	7 167	8 993	8 211
Beans — Faba	336	187	228
— Soybeans	635	755	1 136
— Field	—	575	135
Buckwheat	2 461	2 375	1 095
Canola (rapeseed) — Argentine type	2 256	1 431	2 991
— Polish type	53	157	289
Sunflowers	154	—	—
Alfalfa	1 744	2 393	2 642
Bromegrass	156	82	123
Kentucky Bluegrass	263	271	282
Meadow Fescue	275	137	32
Orchard Grass	20	—	—
Sweet Clover — Yellow Blossom	—	7	5
Timothy	10 229	8 887	7 833
Red Clover — Single-Cut	166	39	34
Birdsfoot Trefoil	1 032	1 048	949
Mustard (Yellow & Brown)	395	200	258
Radish	14	51	111
Reed Canary Grass	16	—	—
Lentils	741	622	571
Canary Grass	—	61	552
Italian Rye Grass	—	40	65

Foundation, Registered and Certified Seed

Kind of Crop	Acres 1981	1982	1983
Wheat — Hard Red Spring	76,280	61,174	105,735
— Durum	11,465	8,835	8,521
— Utility	18,745	19,270	13,300
— Winter	—	566	835
Oats	8,140	5,477	4,941
Barley — 2 row	2,540	8,107	10,475
— 6 row	53,435	39,157	41,974
Rye — Fall	2,405	1,664	3,753
— Spring	240	102	133
Triticale	105	277	44
Flaxseed	32,005	36,332	46,018
Peas — Field	17,710	22,223	20,289
Beans — Faba	830	463	564
— Soybeans	1,570	1,866	2,806
— Field	—	1,421	333
Buckwheat	6,080	5,869	2,705
Canola (rapeseed) — Argentine type	5,575	3,535	7,390
— Polish type	130	388	713
Sunflowers	380	—	—
Alfalfa	4,310	5,912	6,529
Bromegrass	385	203	304
Kentucky Bluegrass	650	669	697
Meadow Fescue	680	338	78
Orchard Grass	50	—	—
Sweet Clover — Yellow Blossom	—	18	13
Timothy	25,275	21,960	19,356
Red Clover — Single-Cut	410	97	84
Birdsfoot Trefoil	2,550	2,589	2,346
Mustard (Yellow & Brown)	975	494	638
Radish	35	125	275
Reed Canary Grass	40	—	—
Lentils	1,830	1,538	1,410
Canary Grass	—	150	1,364
Italian Rye Grass	—	100	160

Certified Potatoes

Variety	Number Growers	Hectares Inspected	Hectares Passed Inspection 1983	Production Graded Stock (tonnes) 1983	1982
Russet Burbank	10	986.6	834.2	10 680	12 080
Norland	5	147.8	97.8	1 780	2 260
Norchip	4	125.5	69.5	1 320	2 260
Red Pontiac	3	34.2	34.2	1 110	670
Kennebec	3	22.1	19.1	330	490
Warba	1	7.7	7.7	190	150
Norgold Russet	1	2.0	2.0	—	—
Carlton	1	0.6	0.6	5	—
Shepody	1	0.3	0.3	3	—
All Varieties	10	1 326.8	1 065.4	15 418	17 910

Variety	Number Growers	Acres Inspected	Acres Passed Inspection 1983	Production Graded Stock (cwt) 1983	1982
Russet Burbank	10	2,437.9	2,061.4	235,494	266,364
Norland	5	365.2	241.7	39,249	49,833
Norchip	4	310.1	171.7	29,106	49,833
Red Pontiac	3	84.5	84.5	24,475	14,773
Kennebec	3	54.6	47.2	7,276	10,804
Warba	1	19.0	19.0	4,189	3,307
Norgold Russet	1	4.9	4.9	—	—
Carlton	1	1.5	1.5	110	—
Shepody	1	0.7	0.7	66	—
All Varieties	10	3,278.5	2,632.6	339,967	394,915

GRAIN STORAGE CAPACITY IN MANITOBA — AUGUST 1, 1982 - 1983

All Licensed Elevators

Kind of Elevator	1982 Number	1982 Capacity (tonnes)	1983 Number	1983 Capacity (tonnes)
Terminal	1	140 020	1	140 020
Process Elevators	9	177 730	14	199 980
Primary	361	1 142 560	364	1 157 440
TOTAL — Licensed Elevators	371	1 460 310	379	1 497 440

Grain Stored in Country Elevators — July 31

Year	Wheat	Oats	Barley	Flaxseed	Canola (Rapeseed)
	— tonnes —				
1970	911 700	40 100	74 000	15 200	—
1971	615 100	52 400	76 200	35 600	4 500
1972	514 400	44 700	80 600	15 200	36 300
1973	285 800	33 900	217 700	10 200	22 700
1974	318 400	35 500	272 200	20 300	13 600
1975	171 100	83 300	159 500	27 900	24 900
1976	204 100	54 000	43 500	73 700	47 600
1977	250 400	42 700	20 800	33 100	15 500
1978	472 400	70 900	138 100	104 900	35 900
1979	497 400	58 600	96 900	84 900	70 600
1980	327 900	7 800	45 800	130 600	97 500
1981	266 200	14 900	218 300	54 500	61 500
1982	231 700	14 700	94 600	35 300	40 200
1983	420 400	15 800	138 900	86 900	24 900

Total Grain Supply on Farms by Crop Year

Year	Wheat	Oats	Barley	Flaxseed	Canola (Rapeseed)
	— tonnes —				
Stocks on Farms, July 31, 1983	110 000	110 000	375 000	45 000	10 000
Production, 1983	3 410 000	401 000	1 589 000	297 000	408 000
Total Farm Supply					
1983-84	3 520 000	511 000	1 964 000	342 000	418 000
1982-83	3 971 000	631 000	2 373 000	434 000	434 000
1981-82	3 402 400	539 000	2 395 000	282 000	386 000
1980-81	2 231 700	323 900	1 632 900	292 100	408 200
1979-80	3 157 000	431 800	1 807 100	510 500	632 800
1978-79	3 320 400	817 300	2 285 700	355 500	585 300
1977-78	3 320 200	1 048 700	2 133 700	332 800	263 000
1976-77	2 884 800	1 033 300	1 524 100	170 200	152 000
1975-76	2 177 200	832 800	1 175 700	228 700	256 300
1974-75	1 741 800	771 100	1 328 100	175 300	197 300
1973-74	2 313 400	1 095 000	1 981 300	195 600	175 800
1972-73	2 585 500	1 064 100	2 068 400	175 300	244 900
1971-72	2 531 100	1 310 900	2 155 500	170 200	272 200

GRAIN STORAGE CAPACITY IN MANITOBA — AUGUST 1, 1982 - 1983

All Licensed Elevators

Kind of Elevator	1982 Number	1982 Capacity (bushels)	1983 Number	1983 Capacity (bushels)
Terminal	1	5,000,000	1	5,000,000
Process Elevators	9	6,346,600	14	7,141,100
Primary	361	40,800,000	364	41,331,400
TOTAL — Licensed Elevators	371	52,146,600	379	53,472,500

Grain Stored in Country Elevators — July 31

Year	— million bushels — Wheat	Oats	Barley	Flaxseed	Canola (Rapeseed)
1970	33.5	2.6	3.4	0.6	—
1371	22.6	3.4	3.5	1.4	0.2
1972	18.9	2.9	3.7	0.6	1.6
1973	10.5	2.2	10.0	0.4	1.0
1974	11.7	2.3	12.5	0.8	0.6
1975	6.3	5.4	7.3	1.1	1.1
1976	7.5	3.5	2.0	2.9	2.1
1977	9.2	2.8	1.0	1.3	0.7
1978	17.4	4.6	6.3	4.1	1.6
1979	18.3	3.8	4.5	3.3	3.1
1980	12.0	0.5	2.1	5.1	4.3
1981	9.8	1.0	10.0	2.1	2.7
1982	8.5	1.0	4.4	1.4	1.8
1983	15.4	1.0	6.4	3.4	1.0

Total Grain Supply on Farms by Crop Year

Year	— million bushels — Wheat	Oats	Barley	Flaxseed	Canola (Rapeseed)
Stocks on Farms, July 31, 1983	4.0	7.1	17.2	1.8	0.4
Production, 1983	125.3	26.0	73.0	11.7	18.0
Total Farm Supply					
1983-84	129.3	33.1	90.2	13.5	18.4
1982-83	145.9	40.9	118.2	17.1	19.1
1981-82	125.0	34.9	110.0	11.1	17.0
1980-81	82.0	21.0	75.0	11.5	18.0
1979-80	116.0	28.0	83.0	20.1	27.9
1978-79	122.0	53.0	105.0	14.0	25.8
1977-78	122.0	68.0	98.0	13.1	11.6
1976-77	106.0	67.0	70.0	6.7	6.7
1975-76	80.0	54.0	54.0	9.0	11.3
1974-75	64.0	50.0	62.0	6.9	8.7
1973-74	85.0	71.0	91.0	7.7	7.7
1972-73	95.0	69.0	95.0	6.9	10.8
1971-72	93.0	85.0	99.0	6.7	12.0

LIVESTOCK

1983 Summary of Production

	Number (000)	Value Each	Total Value (000)
CATTLE:			
Commercial Marketings (including exports)	378		
Inventory Change (down)	−20		
Local Slaughterings	20		
Minus Inshipments	36		
	342	$594.00	$203,148
HOGS:			
Commercial Marketings (including exports)	1,358		
Inventory Change	72		
Local Slaughterings	20		
	1,450	$115.00	$166,750
SHEEP:			
Commercial Marketings	20.2	$43.27	$ 874
Wool — kilograms	45.2	93.0¢/kg	42
— pounds	99.7	42.2¢/lb	
			$ 916
DAIRY PRODUCTS:			
Milk Equivalent — litres	292 155	33.47/hl	$ 97,798
Supplementary Payments			10,936
POULTRY:			
Eggs			$ 47,375
Meat			56,470
TOTAL LIVESTOCK PRODUCTION			$583,393

CATTLE

Production Value

During the past year, the production value of Manitoba cattle increased by $14,456,000 from $188,692,000 in 1982 to $203,148,000 in 1983. The estimated average value per animal increased from $586 to $594 while production increased from 322,000 head to 342,000 head.

Marketings

Total commercial marketings decreased by 56,744 head from 1982 for a total in the current year of 378,242 head. Marketings of slaughter cattle and calves decreased by 7,876 and 1,702 head respectively. Recorded sales of Manitoba feeder cattle decreased by 14,131 head. Direct export sales of cattle and calves decreased from 33,385 head in 1982 to 30,800 head in 1983.

Commercial Marketings from Manitoba

Commercial cattle marketing data normally published in this table are no longer available. The last year for publishing of these data was 1982.

Cattle Sale by Month

Month	— Animals from Manitoba — Slaughter Cattle	Slaughter Calves	Feeders	Total (excluding exports)
January	19,631	719	4,430	24,780
February	16,525	844	5,658	23,027
March	21,201	860	10,528	32,589
April	20,434	691	8,764	29,889
May	19,612	593	5,489	25,694
June	23,689	603	4,515	28,807
July	21,029	397	2,181	23,607
August	20,540	411	3,585	24,536
September	24,859	764	5,493	31,116
October	23,592	802	13,528	37,922
November	22,461	679	12,088	35,228
December	21,101	590	8,547	30,238
Year	254,674	7,953	84,806	347,433

Disposal Sales

Of the total number of slaughter animals marketed in Manitoba during 1983, 20.5 percent were shipped to public stockyards and 79.5 percent moved directly to the packing plants. Feeders sold through the public stockyards totalled 84,806, down 14.3 percent from 1982. In addition 30,800 head of cattle, consisting of 26,401 slaughter cattle, 3,934 feeder cattle, 52 slaughter calves and 442 feeder calves were sold into the export market.

Inventory

The January 1, 1984 survey placed the number of cattle and calves on farms at 935,000 head, down 2.1 percent from 1983. Compared to a year ago the number of beef cows, heifers for dairy and beef herd replacement, beef heifer slaughter, steers and calves were down 8,000, 1,000, 2,000, 1,000, 5,000 and 3,000 head respectively. There were an estimated 1,063,000 head of cattle and calves on Manitoba farms as of July 1, 1983.

Cattle Numbers on Manitoba Farms, July 1, 1983

Crop District	Bulls	Cows (milk)	Cows (beef)	Heifers Over 1 yr (milk)	Heifers Over 1 yr (beef)	Steers Over 1 Year	Calves Under 1 Year
1	1,900	2,800	41,000	800	12,000	9,100	33,600
2	3,000	6,000	44,200	2,000	17,200	18,000	41,500
3	2,000	5,300	35,700	1,500	11,200	9,300	31,100
4	1,300	2,700	19,200	700	6,600	6,400	18,800
5	600	1,300	11,500	400	3,900	4,100	10,100
6	2,600	4,900	46,000	1,100	13,500	12,000	42,700
7	1,900	11,300	37,600	4,300	13,100	13,900	36,000
8	1,600	8,700	26,100	3,500	12,000	15,600	27,500
9	1,500	19,500	13,500	9,500	6,600	8,700	17,200
10	800	3,000	9,500	1,300	2,200	1,600	7,500
11	900	7,200	13,500	3,400	7,800	8,600	16,000
12	2,900	6,300	57,200	2,500	15,900	14,700	51,000
PROVINCE	21,000	79,000	355,000	31,000	122,000	122,000	333,000

During the past year the quality of slaughter cattle marketed in Manitoba remained on par with 1982 quality. Of the total number of steers and heifers marketed, 85.3 percent graded A1,2.

Slaughter Cattle from Manitoba

	1982		1983	
	Number	%	Number	%
STEERS				
A1,A2 + 450 kg (+ 1000 lb)	105,737	81	104,516	82
A1,A2 − 450 kg (− 1000 lb)	8,981	7	8,064	6
A3,A4	5,596	4	4,645	4
B and C	9,841	8	10,806	8
	130,155	100	128,031	100
HEIFERS				
A1,A2 + 400 kg (+ 850 lb)	43,940	66	43,298	68
A1,A2 − 400 kg (− 850 lb)	9,318	14	7,546	12
A3,A4	3,994	6	3,309	5
B and C	9,631	14	9,362	15
	66,883	100	63,515	100
COWS				
D1,D2	28,752	49	28,119	48
D3,D5	28,562	48	28,452	49
D4	1,740	3	1,766	3
	59,054	100	58,337	100
BULLS	6,458		4,791	
CALVES				
White Veal	33	—	1	—
Good Veal	1,469	15	1,305	16
Good Butcher	4,118	43	3,669	46
Common All Weights	4,035	42	2,978	38
	9,655	100	7,953	100
TOTAL SLAUGHTER ANIMALS	272,205		262,627	

Sales of replacement cattle decreased by 14,131 head during 1983. The figures shown below exclude sales direct to export or to country points in other provinces. Most replacement cattle that leave the province go through public stockyards, while interfarm and interprovincial transfer of feeders occur at local livestock auction markets.

Replacement Cattle from Manitoba

	1982	1983
	Number	
FEEDERS		
Steers over 250 kg (over 600 lb)	35,342	27,164
Calves under 250 kg (under 600 lb)	24,372	22,332
Heifers over 200 kg (over 500 lb)	23,697	20,377
Calves under 200 kg (under 500 lb)	11,677	10,719
Cows	3,849	4,214
TOTAL	98,937	84,806

Cattle Prices St. Boniface Stockyards, 1983

	Cents per Kilogram Live	Dollars per 100 Pounds Live
Slaughter Cattle and Calves		
STEERS		
A1,A2 + 450 kg (+ 1000 lb)	159.8	72.50
A1,A2 − 450 kg (− 1000 lb)	157.9	71.61
A3,A4	149.5	67.83
B and C	128.9	58.48
HEIFERS		
A1,A2 + 400 kg (+ 850 lb)	150.8	68.41
A1,A2 − 400 kg (− 850 lb)	146.1	66.28
A3,A4	131.7	59.72
B and C	110.9	50.30
COWS		
D1,D2	104.3	47.29
D3,D5	97.9	44.39
D4	93.0	42.20
BULLS	129.6	58.77
SLAUGHTER CATTLE AVERAGE	119.5	54.21
CALVES		
Good Veal	237.3	107.65
Good Butcher	166.1	75.34
Common All Weights	133.1	60.39
SLAUGHTER CALVES AVERAGE	170.2	77.18
Feeders		
GOOD STEERS		
+ 350 kg (+ 800 lb)	159.6	72.38
300-350 kg (700-800 lb)	163.2	74.04
250-300 kg (600-700 lb)	169.0	76.65
Common and Medium + 250 kg (+ 600 lb)	127.4	57.80
GOOD STEER CALVES		
200-250 kg (500-600 lb)	178.9	81.16
150-200 kg (400-500 lb)	176.9	80.22
Under 150 kg (under 400 lb)	172.2	78.10
Common and Medium − 250 kg (− 600 lb)	133.6	60.59
GOOD HEIFERS		
+ 300 kg (+ 700 lb)	146.0	66.23
250-300 kg (600-700 lb)	151.0	68.47
200-250 kg (500-600 lb)	160.4	72.76
Common and Medium + 200 kg (+ 500 lb)	122.5	55.56
GOOD HEIFER CALVES		
150-200 kg (400-500 lb)	156.1	70.79
100-150 kg (300-400 lb)	149.4	67.76
Under 100 kg (under 300 lb)	148.6	67.39
Common and Medium − 200 kg (− 500 lb)	122.4	55.50
FEEDER COWS	98.1	44.52
ALL FEEDERS AVERAGE	151.5	68.73

Prices

The yearly weighted average price for top grade steers in 1983 decreased by 3.6 percent from last year. Contrary to price movements in the steer market, D1,2 cow prices in 1983 increased by 1.9 percent from the previous year. The weighted average prices in 1983 of good veal calves and good feeder steers over 350 kilograms (800 pounds) were down 0.3 percent and up 0.8 percent respectively in comparison to 1982.

St. Boniface Stockyards Prices

— Selected Grades —

Month	A1,2 Steers			D1,2 Cows			Feeder Steers Over 350 kilograms			Good Veal Calves		
	5 yr.	1982	1983	5 yr.	1982	1983	5 yr.	1982	1983	5 yr.	1982	1983
	— cents per kilogram —											
January	160.0	146.6	152.6	107.4	93.9	92.5	158.2	133.7	155.8	224.0	221.3	232.1
February	163.0	151.6	155.2	112.2	92.5	103.1	166.4	143.7	161.9	242.9	241.0	228.5
March	162.0	154.9	158.4	115.7	101.8	109.6	168.5	147.4	144.9	253.0	258.7	246.2
April	166.8	167.2	171.1	118.1	106.9	114.7	169.0	156.6	168.6	251.4	250.3	254.0
May	173.6	186.2	173.3	117.7	111.4	117.3	169.6	166.0	163.9	251.9	241.7	255.9
June	172.5	184.6	169.2	116.5	113.1	117.4	169.0	170.9	166.3	260.4	251.9	263.0
July	167.3	173.8	158.0	116.7	116.7	114.1	166.1	167.2	156.0	247.6	242.5	244.1
August	164.3	165.2	156.7	116.2	113.6	111.5	162.6	170.5	154.8	236.4	230.3	227.0
September	165.8	164.5	153.2	112.4	107.9	103.3	163.6	163.9	150.0	227.5	228.9	218.9
October	163.1	154.8	155.5	104.7	100.9	96.7	158.8	151.3	152.3	213.3	195.9	210.9
November	164.1	159.8	158.2	99.7	90.2	91.0	159.5	158.0	153.9	210.5	196.7	212.4
December	164.5	157.3	161.0	100.9	88.9	91.9	163.3	157.5	157.9	220.1	221.3	209.9
YEAR	165.9	165.7	159.8	110.6	102.3	104.3	164.6	158.3	159.6	240.3	238.0	237.3

Month	A1,2 Steers			D1,2 Cows			Feeder Steers Over 800 pounds			Good Veal Calves		
	5 yr.	1982	1983	5 yr.	1982	1983	5 yr.	1982	1983	5 yr.	1982	1983
	— dollars per 100 pounds —											
January	72.59	66.49	69.21	48.70	42.57	41.94	71.74	60.63	70.67	101.59	100.36	105.27
February	73.93	68.77	70.42	50.88	41.96	46.76	75.47	65.16	73.43	110.19	109.31	103.66
March	73.63	70.25	71.83	52.47	46.18	49.73	76.45	66.88	65.71	114.74	117.35	111.69
April	75.67	75.85	77.59	53.59	48.48	52.03	76.65	71.03	76.49	114.05	113.53	115.23
May	78.76	84.47	78.59	53.40	50.55	53.19	76.94	75.28	74.33	114.35	109.63	116.09
June	78.25	83.72	76.75	52.85	51.29	53.25	76.65	77.51	75.41	118.10	114.26	119.29
July	75.27	78.85	71.67	52.93	52.94	51.74	75.36	75.83	70.74	112.32	109.38	110.73
August	74.52	74.93	71.08	52.69	51.55	50.57	73.74	77.34	70.22	107.25	104.46	102.95
September	75.21	74.64	69.49	50.97	48.95	46.87	74.10	74.36	67.99	103.19	103.81	99.28
October	73.98	70.21	70.55	47.49	45.75	43.84	72.05	68.64	69.10	96.76	88.86	95.65
November	74.42	72.48	71.77	45.24	40.92	41.27	72.37	71.65	69.82	95.49	89.24	96.36
December	74.76	71.37	73.02	45.79	40.34	41.67	74.05	71.46	71.64	99.85	100.38	95.20
YEAR	75.24	75.17	72.50	50.15	46.92	47.29	74.65	71.81	72.38	108.99	107.97	107.65

HOGS

Production

In 1983, Manitoba farmers produced 1,451,000 hogs, an increase of 15.8 percent from 1982. Lower prices (on average $21 per head below 1982) resulted in a decrease in the total value of production of $3.5 million compared to a $32 million increase between 1981 and 1982. Hog production in Manitoba was valued at an estimated $166,865,000 in 1983.

Marketings

Manitoba producers marketed 92,169 more hogs in 1983 than in 1982. Except for the first quarter of 1983, hog marketings in all other quarters exceeded corresponding levels in 1982. The largest increase in marketings, 25.9 percent, was in the fourth quarter of 1983. In addition to commercial marketings shown in the following table, additional sales and direct exports totalled 135,447 in 1983, compared to 130,390 in 1982.

Hog Slaughterings by Month

	— Animals from Manitoba —		
Month	**1981**	**1982**	**1983**
January	89,921	90,064	82,126
February	95,134	93,529	87,246
March	119,361	117,765	108,680
April	92,490	90,560	91,625
May	90,764	92,756	89,643
June	114,910	107,734	118,448
July	84,881	86,274	96,127
August	84,108	84,842	91,610
September	109,165	103,530	125,458
October	85,655	82,107	101,998
November	91,673	78,045	108,232
December	108,746	103,480	121,662
YEAR	1,166,808	1,130,686	1,222,855

Inventory

The total number of hogs on Manitoba farms as of July 1, 1983 increased by 9.6 percent compared to the same period a year previous. Market hogs totalled 838,000, an increase of 73,000 from 1982. Sow numbers on farms increased by 9,000 head for a total of 103,000 animals. The January 1, 1984 Livestock on Farms report showed a 7.8 percent increase in hog and pig numbers from January 1, 1983. Hog and pig numbers on farms increased by 20,000 head between January and July, 1983, and by January 1, 1984 hog and pig numbers on farms totalled 1,000,000.

Hog Numbers on Farms, July 1, 1983

Crop District	Under 20 kg (45 lb)	20 to 60 kg (45-130 lb)	Over 60 kg (130 lb)	Breeding Stock	Total
1	14,000	13,600	9,900	5,000	42,500
2	26,000	21,700	16,000	7,800	71,500
3	18,600	15,200	11,500	5,600	50,900
4	2,900	1,200	800	1,100	6,000
5	6,600	5,900	4,700	1,900	19,100
6	11,000	5,800	3,900	3,700	24,400
7	48,500	45,000	36,400	18,100	148,000
8	78,000	74,200	56,800	25,900	234,900
9	67,500	62,500	55,000	23,400	208,400
10	5,100	5,900	5,000	2,400	18,400
11	29,000	25,800	22,500	10,700	88,000
12	11,300	11,200	9,000	4,400	35,900
PROVINCE	318,500	288,000	231,500	110,000	948,000

Quality

The general quality of Manitoba hogs continued to improve in 1983 relative to 1982. The percentage of hogs indexing 102 or better increased to 71.3 percent, up 1.9 percent from 1982.

Prices

The downward trend in hog prices evident in the last quarter of 1982 was reversed in the first quarter of 1983 as prices strengthened. However, from the second quarter in 1983 onward prices gradually weakened. The average annual price of Index 100 hogs in 1983 was 151.0 cents per kilogram ($68.49 per hundredweight), down 15.0 percent from 1982 but up 1.7 percent from the five-year average (1978-1982).

Manitoba Monthly Average Weighted Hog Prices, 1981 - 1983

	Index 100			Sows		
Month	1981	1982	1983	1981	1982	1983
	— cents per kilogram —					
January	139.6	137.9	175.4	101.9	93.6	138.1
February	140.3	149.2	183.3	102.0	106.3	140.8
March	132.5	156.2	165.8	96.8	114.5	136.9
April	131.0	166 7	150.7	93.2	123.8	127.2
May	134.0	187.1	152.2	95.0	134.9	116.7
June	152.8	199.2	147.0	105.4	148.1	106.9
July	170.7	200.8	142.5	123.5	155.5	98.3
August	166.3	203.9	149.5	116.9	156.6	98.1
September	170.8	206.1	150.6	126.1	157.8	96.5
October	160.9	191.4	135.8	126.2	156.1	88.0
November	147.4	167.8	126.0	112.1	142.3	78.5
December	142.4	171.3	137.5	97.0	137.0	80.2
YEAR	148.6	177.7	151.0	107.0	132.6	107.6

Manitoba Monthly Average Weighted Hog Prices, 1981 - 1983

	Index 100			Sows		
	1981	1982	1983	1981	1982	1983
Month	— dollars per hundred pounds —					
January	63.33	62.53	79.54	46.24	42.46	62.66
February	63.66	67.67	83.14	46.26	48.20	63.87
March	60.08	70.83	75.20	43.92	51.94	62.12
April	59.40	75.62	68.37	42.28	56.16	57.68
May	60.76	84.88	69.03	43.10	61.19	52.93
June	69.32	90.34	66.67	47.83	67.18	48.48
July	77.45	91.08	64.62	56.03	70.54	44.61
August	75.42	92.47	67.80	53.03	71.02	44.51
September	77.46	93.49	68.31	57.21	71.57	43.79
October	72.98	86.83	61.60	57.24	70.82	39.90
November	66.88	76.10	57.17	50.87	64.53	35.61
December	64.57	77.68	62.37	44.02	62.13	36.39
YEAR	67.40	80.61	68.49	48.54	60.13	48.81

SHEEP

Production The 1983 value of production, including marketings of sheep, lambs and wool was estimated at $916,101, a decrease of 2.6 percent from comparable values in 1982. Change in inventory was not included.

Sheep and Lamb Marketings from Manitoba

Month	1980	1981	1982	1983
January	1,024	576	1,030	1,238
February	507	880	653	886
March	1,850	549	1,015	557
April	1,175	2,197	745	747
May	783	846	849	979
June	1,601	882	1,461	1,890
July	1,487	1,030	1,404	1,606
August	1,550	1,679	1,614	1,326
September	1,569	2,321	2,095	1,981
October	1,169	1,407	1,495	1,775
November	1,423	1,786	1,300	1,983
December	1,469	2,637	1,877	1,305
YEAR	15,607	16,790	15,538	16,273

Marketings

Marketings of Manitoba sheep and lambs in 1983 including exports to the United States were 20,216 head, a decrease of 1,494 head or 6.9 percent from 1982. The number of sheep and lambs marketed within the province (excluding exports to the United States) was 16,273 head, up 4.7 percent from 1982. Exports to the United States in 1983 were 3,943 head.

Prices

Prices in 1983 for all grades of animals were up on average by 9.4 percent from the 1982 level. The annual average price for A and B lambs 36 kilograms (80 pounds) and over was $1.30 per kilogram ($59.54 per 100 pounds) compared to a five-year average of $1.34 per kilogram ($60.96 per 100 pounds).

Wool Production

The total value of production in 1983 was estimated at $42,164, down $15,836 from 1982. The average price received by producers was approximately 93.0 cents per kilogram (42.2 cents per pound). Production was 45 241 kilograms (99,739 pounds), a decrease of 26.3 percent from 1982. Additional pulled wool was obtained but its value was not calculated since it was already included in the sales value of the animal.

DAIRY

Farm sales of milk in 1983 were estimated at 292 155 kilolitres (663,191,704 pounds), down 0.5 percent from 1982. Cash receipts from all milk sold off the farm totalled $108,734,000, up $2,698,000 from 1982. Supplementary payments increased by $844,000 in 1983 relative to the same period in 1982.

Milk Sales and Cash Receipts

	Sales			Cash Receipts		
	1981	1982	1983	1981	1982	1983
	— kilolitres —			— $000 —		
Milk and Cream for:						
Fluid Purposes	108 415	108 392	108 168	43,821	46,926	46,934
Industrial						
Delivered as Milk	148 987	153 707	150 659	38,764	44,728	46,131
Delivered as Cream	31 149	31 446	33 328	4,002	4,290	4,733
Total Farm Sales of:						
Milk and Cream	288 551	293 545	292 155	86,587	95,944	97,798
Supplementary Payments	—	—	—	10,351	10,092	10,936
TOTAL	288 551	293 545	292 155	96,938	106,036	108,734

	Sales			Cash Receipts		
	1981	1982	1983	1981	1982	1983
	— 000 lb —			— $000 —		
Milk and Cream for:						
Fluid Purposes	246,102	246,049	245,541	43,821	46,926	46,934
Industrial						
Delivered as Milk	338,200	348,914	341,996	38,764	44,728	46,131
Delivered as Cream	70,708	71,382	75,655	4,002	4,290	4,733
Total Farm Sales of:						
Milk and Cream	655,010	666,345	663,192	86,587	95,944	97,798
Supplementary Payments	—	—	—	10,351	10,092	10,936
TOTAL	655,010	666,345	663,192	96,938	106,036	108,734

Butter Production

In 1983 butter production was 3 857 000 kilograms (8,503,236 pounds), a decrease of 409 000 kilograms (901,691 pounds) from 1982. Butter production in January, March and November of 1983 was approximately 0.9, 0.3 and 8.3 percent respectively above levels in the corresponding months in 1982.

Cheddar Cheese Production

Cheddar cheese production in 1983 was 6 702 000 kilograms (14,775,393 pounds), up 1 914 000 kilograms (4,219,651 pounds) from the level in 1982. The ice-cream mix listed represents approximately one half of the actual ice-cream volume as two parts of ice cream are made from one part of mix.

Dairy Factory Production by Month, 1983

Month	Butter (000 kg)	Cheddar Cheese (000 kg)	Ice-Cream Mix (000 L)	Butter (000 lb)	Cheddar Cheese (000 lb)	Ice-Cream Mix (000 gal)
January	327	526	608	721	1,160	134
February	320	493	614	705	1,087	135
March	361	618	859	796	1,362	189
April	335	698	885	739	1,539	195
May	364	605	1 043	802	1,334	229
June	378	624	1 097	833	1,376	241
July	317	513	1 273	699	1,131	280
August	301	452	1 183	664	996	260
September	313	536	986	690	1,182	217
October	276	518	728	608	1,142	160
November	300	543	343	661	1,197	75
December	265	576	739	584	1,270	163
YEAR	3 857	6 702	10 358	8,502	14,776	2,278

Total Milk Supply

Total milk production in the 1983 dairy year (August 1, 1982 - July 31, 1983) was 258.18 million hectolitres, down 1.37 million hectolitres. Monthly production in the 1983 dairy year was higher than in 1982 except for the period March to July. The largest single increase occurred in the month of October.

The 1983 (dairy year) producer price for Class 1 milk was $46.33009 per hectolitre ($20.40 per hundredweight), unchanged from the average price received in 1982.

Milk Cows

The number of milk cows on Manitoba farms as of July 1, 1983 was 79,000 head, down 1,500 head from July 1, 1982. Dairy replacement heifers on farms as of July 1, 1983 totalled 31,000, down 1,000 head from last year.

POULTRY

The production value of the poultry industry for 1983 remained relatively constant with a total value of $103,845,000. Egg numbers and prices increased slightly. Value for broiler meat increased but declined markedly in the roaster area. Value for turkey, ducks and geese showed small advances.

	— 1982 —			— 1983 —		
	Dozen (000)	Price (¢/doz)	Value ($000)	Dozen (000)	Price (¢/doz)	Value ($000)
Eggs						
Sold for market	48,985	82.5	40,413	49,751	83.3	41,443
Used on farms	761	82.5	628	739	83.3	615
Hatching (chicks)	1,900	181.0	3,439	1,900	190.0	3,610
	51,646		44,480	52,390		45,668
Hatching (turkeys)	240	656.0	1,574	259	659.0	1,707
TOTAL EGG VALUE			46,054			47,375
	Birds (000)	**Price** ($ each)	**Value** ($000)	**Birds** (000)	**Price** ($ each)	**Value** ($000)
Meat						
Chicken:						
Broilers	11,379	1.78	20,255	11,442	1.94	22,197
Roasting	2,205	4.52	9,967	1,631	3.86	6,296
Fowl	2,075	0.25	519	2,031	0.23	467
	15,659		30,741	15,104		28,960
Turkeys:						
Broilers	351	7.03	2,468	339	6.80	2,305
Roasting	895	11.78	10,543	830	13.19	10,947
	1,246		13,011	1,169		13,252
Geese	363	11.00	3,993	393	9.65	3,792
Ducks	402	4.03	1,620	356	5.35	1,905
TOTAL MEAT VALUE			49,365			47,909
Started Pullets	2,436	3.35	8,160	2,533	3.38	8,561
TOTAL POULTRY (Eggs, pullets & meat)			103,579			103,845

The average number of laying hens per month on Manitoba farms was 2,602,000 in January, 1983 and 2,526,000 in December, 1983. Production per bird at year-end was at the rate of 251 eggs per bird.

Marketings

Relative to 1982, marketings in 1983 of chicken broilers and roasters increased and decreased by 0.6 and 26.0 percent respectively. Marketings of fowl and turkeys decreased by 2.1 and 6.2 percent respectively between 1982 and 1983.

Manitoba Egg Quota Allocation and Inventory, 1983

Month	LAYER NUMBERS	
	Allocation	Inventory
January	2,419,730	2,293,356
February	2,419,730	2,270,190
March	2,419,730	2,248,088
April	2,419,730	2,318,736
May	2,419,730	2,273,044
June	2,419,730	2,286,392
July	2,419,730	2,236,037
August	2,419,730	2,291,826
September	2,419,730	2,255,049
October	2,419,730	2,293,556
November	2,419,730	2,254,533
December	2,419,730	2,276,552

The prices during 1983 averaged 0.8 cents higher than in 1982. The following table shows the monthly weighted price for all grades during the last five years.

Egg Prices to Manitoba Producers, 1979 - 1983

Month	ALL GRADES				
	1979	1980	1981	1982	1983
	— cents per dozen delivered, ungraded —				
January	62.9	69.6	83.1	83.2	80.5
February	63.8	71.4	84.6	83.4	81.0
March	64.4	70.6	84.5	83.1	81.3
April	64.9	70.4	84.4	80.9	81.5
May	65.0	69.1	84.8	80.4	82.4
June	65.8	68.0	85.2	81.5	82.3
July	66.8	70.1	86.5	82.9	81.9
August	67.8	72.1	88.5	84.8	81.0
September	68.7	73.9	86.3	84.6	82.5
October	69.3	75.8	86.6	83.7	86.7
November	69.5	77.8	85.2	81.6	87.9
December	68.6	79.8	84.0	80.4	89.7
YEAR	66.6	72.4	85.3	82.5	83.3

HORSES

Normally, there is no production value calculated for horses since they are not considered a product and perform a resource function similar to machinery. The 1981 Census reported 31,284 horses on Manitoba farms. In 1983, 114 farmers collected pregnant mare's urine under contract from some 6,500 mares. Gross farm income from this source was $5,460,000, up 10.8 percent from 1982.

FUR

The value of fur sales from licensed fur farms in Manitoba was estimated at $1,878,000 in the 1983 season compared to $2,061,000 in the 1982 season, down 8.9 percent. The number of pelts in 1982 was 62,170. Mink accounted for the total value.

Number of mink pelts sold from fur farms	63,351 (E)
Estimated value of mink pelts sold from fur farms	$1,878,000

FOREST PRODUCTS

The value of production was estimated at $1,157,000 in 1983, up 9.1 percent from 1982. This was based on total commercial sales and included pulpwood, fenceposts, maple products, etc. from woodlots. The 1981 Census reported 248 184 hectares (613,277 acres) of woodlands compared to 375 710 hectares (928,410 acres) reported for the 1976 Census on Manitoba farms.

HONEY

Following a relatively mild winter, spring conditions were generally good for package and wintered colony buildup with the exception of the Northwest Region where cool and wet spring conditions delayed the spring nectar flow.

The late spring and early summer conditions were generally good to excellent for colony buildup and nectar production. However the honey flow was cut short in many areas by hot and dry weather that prevailed during July and August. Most beekeepers reported that the summer honey flow was over by the end of the first week of August. The exception to this was the Northwest Region which had more moisture and therefore an extended honey flow.

Honey Prices and Production, Manitoba, 1982, 1983

	1982	1983
Number of Beekeepers	1,600	1,700
Number of Colonies	108,000	111,000
Honey:		
Average kg/hive	72	66
Average lb/hive	(159)	(145)
Total Production — kg	7 789 000	7 301 000
Total Production — lb	(17,172,000)	(16,095,000)
Price/kg — ¢	134	130
Price/lb — ¢	(61)	(59)
TOTAL VALUE	$10,475,000	$9,496,000
Beeswax:		
Production — kg	116 835	109 515
Production — lb	(258,000)	(241,425)
Price/kg — ¢	(416)	(367)
Price/lb — ¢	(189)	(167)
TOTAL VALUE	$ 488,000	$ 402,000
TOTAL VALUE HONEY & BEESWAX	$10,963,000	$9,898,000

Even though colony numbers increased by 2.8 percent over 1982, total honey production dropped by approximately 488 000 kilograms because of less than average overall production.

Package bee prices in 1983 increased by about 2 percent over 1982 prices. For a two pound package of bees and a queen prices ranged from $25.00 to $29.25. Package bee prices are not expected to increase in 1984.

Approximately 40,000 colonies of honey bees were wintered in Manitoba during the winter of 1983/84.

Due to above average production in Alberta, Saskatchewan and Ontario, weak retail sales and continued strong competition in the international market from Argentina, Mexico and China (Mainland), the honey market remained very soft following the 1983 harvest. As a result of the difficult market conditions, the price for bulk honey dropped during 1983. Approximately 43 percent of the Manitoba crop was delivered to the Manitoba Co-operative Honey Producers Ltd., about 50 percent went on the "open market" and approximately 7 percent moved directly to consumers.

During the summer of 1983, the Manitoba Dept. of Health declared a Health Emergency because of an outbreak of the mosquito borne disease Western Equine Encephalitis. In an attempt to reduce the number of adult mosquitoes carrying the disease the government applied the insecticide malathion over 31 communities in southern Manitoba. As a result of this spraying many beekeepers experienced losses of bees and reduced honey production. In response to these losses the government established a Beekeeper Compensation Program designed to offer compensation to beekeepers who experienced losses as a result of the spraying. The original budget for the compensation program was $650,000.

Alfalfa Leafcutter Bees These bees are managed for the purpose of pollinating alfalfa for seed production. The bees reproduce and generally increase their numbers approximately twofold each year, which allows an increase in the number of hectares of alfalfa pollinated by leafcutter bees the following year or the sale of surplus bee larvae (sold in the cocoon stage) to foreign and domestic markets. It was estimated that 75 percent of the land devoted to pedigreed alfalfa seed production was pollinated by leafcutter bees in 1983.

There were approximately 100 leafcutter beekeepers in Manitoba in 1983 managing a total of 130 million bees, worth an estimated $819,000. The bees ranged in value from $0.005 to $0.0075 per bee. There was an estimated 2 590 hectares (6,400 acres) in pedigreed alfalfa seed production in 1983, with 1 361 tonnes (3,000,000 pounds) of seed being produced. The seed was valued at $2.7 million at the farm gate and $3.37 million at the wholesale level.

RESOURCES

LAND AND FARMS

Land Use

Land Use by Area, Manitoba, 1981

Crop District	— IMPROVED LAND — Crops	Fallow	Pasture	Other	Total	— UNIMPROVED LAND — Woodland	Other	Total Land
				— thousand hectares —				
1	498	59	34	10	601	6	139	747
2	484	76	43	13	615	14	210	839
3	429	114	36	14	593	22	217	832
4	180	60	22	7	268	14	98	380
5	181	42	15	5	243	17	62	322
6	338	69	45	15	466	44	319	829
7	655	44	46	17	762	20	138	919
8	763	31	22	15	832	16	92	940
9	351	27	20	11	410	14	63	486
10	78	11	11	4	104	14	57	175
11	222	27	16	9	274	8	73	355
12	242	40	41	13	336	60	396	792
PROVINCE	4 420	598	353	133	5 504	248	1 864	7 616

Crop District	— IMPROVED LAND — Crops	Fallow	Pasture	Other	Total	— UNIMPROVED LAND — Woodland	Other	Total Land
				— thousand acres —				
1	1,231	145	85	25	1,486	14	345	1,845
2	1,195	187	107	32	1,521	35	518	2,074
3	1,059	282	90	34	1,465	55	537	2,057
4	445	147	53	17	663	34	241	938
5	448	103	37	13	601	42	153	796
6	835	170	111	37	1,152	109	787	2,048
7	1,617	108	113	43	1,882	49	340	2,271
8	1,885	77	56	38	2,056	39	228	2,323
9	868	66	50	28	1,012	35	155	1,202
10	192	28	28	9	258	34	142	433
11	549	67	40	22	677	20	181	878
12	599	99	101	31	829	148	979	1,956
PROVINCE	10,923	1,479	871	328	13,601	613	4,605	18,819

Summerfallow, 1981 - 1983

Crop District	1981	1982	1983	1981	1982	1983
	— 000 hectares —			— 000 acres —		
1	59	61	51	147	151	125
2	77	79	72	190	195	177
3	116	111	105	287	272	260
4	60	59	66	149	146	162
5	42	38	42	104	94	105
6	70	65	72	172	161	177
7	45	33	28	110	82	70
8	32	31	23	78	77	57
9	27	26	22	67	65	55
10	11	12	9	28	29	23
11	28	27	21	68	67	53
12	40	45	35	100	111	86
PROVINCE	607	587	546	1,500	1,450	1,350

FARM NUMBER, SIZE, TYPES

The 1981 Census defines a farm as an agricultural holding with sales of agricultural products during a 12 month period of $250 or more.

In 1981, the total amount of all farms in Manitoba numbered 29,442 averaging 259 hectares (639 acres) per farm. Details about farm size, numbers and sales for Manitoba are listed below.

Size and Number of Farms by Area, 1981

Crop District	All Farms (sales≥$250) Per Farm			Census Farms (sales≥$1,200) Per Farm			Census Farms (sales≥$10,000)
	Number	Hectares	Acres	Number	Hectares	Acres	
1	2,140	862	349	2,106	873	353	1,849
2	2,712	765	310	2,615	787	318	2,178
3	2,801	734	297	2,725	750	304	2,210
4	1,362	689	279	1,316	705	285	999
5	1,323	602	244	1,267	619	250	954
6	2,708	756	306	2,566	783	317	1,846
7	3,285	691	280	3,184	709	287	2,651
8	4,216	551	223	4,103	564	228	3,550
9	3,348	359	145	3,056	386	156	2,067
10	1,035	418	169	875	458	185	431
11	2,052	428	173	1,875	459	186	1,169
12	2,460	795	322	2,263	840	340	1,519
PROVINCE	29,442	639	259	27,951	664	269	21,423

Farm Types By Area, 1981

Percent of Farms With

Crop District	— Crops — Wheat	Oats	Barley	Flax	— Livestock — Cattle	Hogs	Sheep	Poultry
1	82	40	60	44	58	12	2	26
2	66	45	56	24	62	15	2	26
3	81	37	71	16	58	18	1	28
4	80	49	65	4	66	15	2	37
5	79	38	66	13	47	19	2	32
6	67	48	49	18	63	19	2	34
7	70	34	58	38	49	14	2	20
8	78	21	63	45	46	23	2	22
9	53	24	38	14	46	19	3	27
10	44	35	27	14	55	17	2	32
11	60	24	42	15	45	14	2	22
12	45	27	40	14	67	16	2	29
PROVINCE	68	34	54	24	54	17	2	27

LAND VALUES

Capital Investment

The average capital investment in land and buildings was $266,141 per farm (1981 Census). This value has increased substantially since 1976, reflecting trends towards increased size of farms and inflated values. Value per hectare (acre) of farmland per crop district is listed below.

Value of Farm Lands, 1982 - 1983

(Buildings Included)

Crop District	Dollars per Hectare 1982	1983	Dollars per Acre 1982	1983
1	729	714	295	289
2	796	778	322	315
3	685	687	277	278
4	628	524	254	212
5	687	726	278	294
6	447	455	181	184
7	1,250	1,186	506	480
8	1,626	1,502	658	608
9	1,666	1,574	674	637
10	536	519	217	210
11	1,458	1,181	590	478
12	442	329	179	133
PROVINCE	909	882	368	357

TENURE

Farms Classified by Tenure of Operator — 1981 Census

	No. of Operators	Total Hectares	Total Acres
Owner	16,083	2 667 768	6,592,198
Tenant	2,259	578 874	1,430,428
Part Owner, Part Tenant	11,100	4 369 282	10,796,733
TOTAL	29,442	7 615 924	18,819,359

Farm operators owned 5 097 655 hectares (12,596,581 acres) and rented an additional 2 518 269 hectares (6,222,788 acres).

PEOPLE

Population

Manitoba's farm population continues to decline with the consolidation of farms. In 1981 there were 98,375 people on census farms. Of the 29,442 farm operators, 10.7 percent did not live on the farms they operated, 1.9 percent lived on their farms four months or less, 2.5 percent five to eight months, and 84.9 percent lived on their farms nine to twelve months. About 45 percent of the operators were between 35 to 54 years of age, 24.5 percent under 35 years, 21.0 percent between 55 to 64, and 9.5 percent over 65 years of age.

Census Farm Labour

Off-Farm Work. The 1981 census showed 10,297 farms reporting 1,604,871 days worked off farm.

Farms Reporting Off-Farm Work

Days — From	1	7	13	25	49	73	97	127	157	229
— To	6	12	24	48	72	96	126	156	228	365
Farms	397	345	533	917	816	668	990	583	2,076	3,072

Hired Labour. The 1981 Census showed 9,433 farms hiring 247,727 total weeks of full-time and part-time labour. Most farm workers were hired on a part-time basis. However, the 2,347 farms reporting year round workers supplied over 53 percent of the total weeks hired labour.

FARM WAGES

In 1983, the average per month wage rate, with and without board, increased by 9.1 and 6.8 percent, respectively, over 1982. The total cost of hired labour increased by 5.1 percent over 1982.

Male Farm Help Wages at Mid-August, 1982 - 1983

	— Per Hour —		— Per Day —		— Per Month —	
With Board	$4.61	$4.80	$36.39	$38.24	$723	$789
Without Board	5.16	5.37	47.71	49.69	872	931

CAPITAL

Investment in Agriculture

In 1981, average investment per Manitoba farm amounted to $354,966, an increase of 15 percent over 1976. Land and buildings accounted for 75 percent, machinery for 17 percent and livestock for 8 percent, respectively, of the total capital investment. Total provincial investment in agriculture was $10,450,954,346 in 1981, surpassing the 1976 value by 130 percent. Capital investment per farm by area is listed below.

Capital Investment Per Farm By Area, 1981

Crop District	Land and Buildings	Machinery and Equipment	Livestock	Total
		— dollars per farm —		
1	329,055	81,928	30,951	441,934
2	288,622	69,407	34,198	392,227
3	225,954	62,881	23,534	312,369
4	194,384	53,963	27,041	275,388
5	192,466	55,039	16,000	263,505
6	164,855	48,678	29,635	243,168
7	378,637	78,529	27,572	484,738
8	393,976	78,566	20,423	492,965
9	262,662	51,444	25,235	339,341
10	127,612	32,945	20,253	180,810
11	247,796	50,498	23,506	321,800
12	132,239	43,348	39,884	215,471
PROVINCE	266,140	61,939	26,887	354,966

Value of Farm Capital, By Province, 1980-1983

	1980	1981	1982	1983
		— thousand dollars —		
CANADA	117,037,690	130,387,708	131,666,197	127,327,999
Manitoba	9,199,024	10,462,577	9,761,660	9,545,659
British Columbia	7,454,196	8,532,038	8,049,991	8,225,341
Alberta	33,532,137	36,855,239	37,398,906	35,639,783
Saskatchewan	27,635,326	31,355,259	33,417,720	32,636,006
Ontario	28,494,392	31,285,859	30,890,795	29,058,925
Quebec	8,597,977	9,512,509	9,817,556	9,879,303
New Brunswick	580,865	669,406	663,220	667,986
Nova Scotia	834,694	907,148	888,914	893,845
Prince Edward Island	612,834	701,556	666,250	670,096
Newfoundland	96,245	106,117	111,185	111,055

MACHINERY

The number of farm trucks licensed for operation in Manitoba in 1983 was 67,564, an increase of 0.8 percent over 1982.

	Number on Manitoba Farms	Sales During		
	1981	1981	1982	1983
Tractors	67,342	2,132	1,787	1,453
Combines:				
self-propelled	16,309	700	453	390
pull type	6,322	356	183	188
Balers:				
hand portable bales	11,927	132	102	123
large round bales	3,767	513	363	358
Swathers and Wind Rowers	24,291	1,328	977	740

FERTILIZER

The total volume of sales increased from 521 300 tonnes (574,500 tons) in 1982 to 523 600 tonnes (577,171 tons) in 1983.

Sales in Manitoba, July 1 to June 30, 1982 and 1983

Formulation	Tonnes Sold		Tons Sold	
	1982	1983	1982	1983
	— thousands —			
Types:				
Ammonium Phosphate	142.1	152.7	156.6	168.3
Ammonium Nitrate	67.5	78.9	74.4	87.0
Ammonium Nitrate Phosphate	29.3	21.5	32.3	23.7
Urea	88.6	113.5	97.6	125.1
Anhydrous Ammonia	74.0	77.5	81.6	85.4
Nitrogen Solutions	47.7	27.8	52.6	30.6
Ammonium Sulphate	9.2	8.2	10.1	9.0
Potassium Chloride	29.6	22.4	32.6	24.7
Other Fertilizer Materials	29.8	1.4	32.8	1.5
Materials — TOTAL	517.8	503.9	570.6	555.3
Mixed Fertilizers	3.5	19.7	3.9	21.7
TOTAL FERTILIZER SALES	521.3	523.6	574.5	577.0

HERBICIDES

The amounts of 2,4-D and MCPA herbicides used in Manitoba for 1982 and 1983 are shown below. The use of TCA decreased by 41.8 percent and Dalapon, Dowpon and Basfapon by 16.4 percent. The use of Dichloroprop, Linuron, Roundup, Stampede, Tordon 202C, Amitrol, Bladex, Blagal, Lorox, Dual, Basagram, Stampede 350 and other chemicals increased from 427 800 kilograms (943,100 pounds) of active ingredient in 1982 to 629 800 kilograms (1,388,500 pounds) in 1983. The area treated for wild oats increased by 14.0 percent between 1982 and 1983 for a total treated area of 2 398 900 hectares (5,927,700 acres).

	Active Material	
	1982	1983
	— kilograms —	
2,4-D		
Ester	66 700	137 700
Amine	284 400	456 300
MCPA		
Ester	12 000	65 800
Amine	429 700	489 000
Sodium and Potassium Salt	64 500	55 300
	— pounds —	
2,4-D		
Ester	147,000	303,600
Amine	627,000	1,006,000
MCPA		
Ester	26,500	145,100
Amine	947,400	1,078,000
Sodium and Potassium Salt	142,300	122,000

INCOME

Farm Cash Income

Farm cash income refers to the amount of money producers received during the calendar year. Most of the cash income in the first half of the year includes the sale of products produced during the previous year. Cash income for the second half is derived mainly from the current year's production. Total farm income amounted to $1,736,962,000 in 1983, 2.3 percent higher than in 1982. Cash income from crops increased by 6.8 percent and that from livestock decreased by 7.2 percent over 1982.

	1979	1980	1981	1982	1983
Crop Sales	— thousand dollars —				
Wheat	241,048	344,980	342,831	465,349	504,674
Wheat C.W.B. Payments	40,219	43,039	130,685	46,563	66,433
Oats	6,200	4,590	6,751	7,605	7,270
Oats C.W.B. Payments	—	264	—	87	314
Barley	93,471	84,234	127,429	146,606	142,577
Barley C.W.B. Payments	9,468	9,330	20,323	15,246	15,017
Western Grain Stabilization Payments	41,400	—	—	—	—
Crop Insurance Payments	11,177	55,289	18,259	20,019	30,293
C.W.B. Net Cash Advance Payments	-10,890	-7,664	29,814	-296	-2,901
Deferred Grain Receipts	-45,233	-58,068	-68,869	-65,364	-99,543
Liquidation of Deferred Grain Receipts	34,764	45,233	58,068	68,869	65,364
Rye	7,203	17,110	16,477	13,334	13,820
Flaxseed	77,247	92,919	74,566	62,383	88,904
Canola (Rapeseed)	122,522	99,492	75,337	98,267	125,853
Corn	13,328	17,964	24,537	27,994	22,572
Sugar Beets	10,049	20,153	22,063	12,152	15,811
Potatoes	21,407	27,383	35,317	53,717	46,698
Vegetables	6,507	7,547	9,150	9,690	9,367
Horticulture and Nursery	5,309	5,160	5,384	5,782	6,009
Other Crops	68,941	56,690	75,648	41,759	41,055
TOTAL CROPS	754,137	865,645	1,003,770	1,029,762	1,099,587
Livestock Sales					
Cattle	266,769	267,925	253,085	250,581	220,554
Calves	30,363	40,831	23,894	30,847	25,880
Hogs	115,682	117,432	138,634	169,360	155,441
Sheep and Lambs	694	860	1,099	1,236	1,421
Dairy Products	63,419	75,491	86,587	95,944	97,798
Poultry	36,561	37,853	41,065	42,318	41,844
Eggs	32,025	37,538	45,100	44,289	45,377
Honey	9,089	9,220	10,139	10,812	10,501
Other Livestock and Products	8,047	8,178	8,302	8,593	7,946
TOTAL LIVESTOCK AND PRODUCTS	562,649	595,328	607,905	653,980	606,762
Provincial Income Stabilization Program	1,125	-661	5,576	-2,306	16,603
Dairy Supplementary Payments	9,757	10,115	10,351	10,092	10,936
Deficiency Payments	1,156	2,907	12,414	722	1,917
Forest Products	298	1,080	1,077	1,061	1,157
Supplementary Payments	—	6,110	21,352	3,960	6,484
Other Payments	—	—	—	—	—
TOTAL CASH RECEIPTS	1,326,872	1,480,524	1,662,445	1,697,271	1,743,446

FARM CASH AND OVERHEAD EXPENSES

In 1983 total farm operating expenses were $1,474,297,000, down 0.5 percent from 1982. Although the recent trend of annual increases in production cost was reversed in 1983, expectations are that this is a short term situation and in the next year farm input costs will continue to increase.

	1979	1980	1981	1982	1983
			— thousand dollars —		
Taxes	24,756	26,984	27,019	31,741	33,582
Cash Rent	42,218	47,679	49,201	58,156	52,340
Share Rent	25,574	29,675	27,165	29,882	25,728
Cash Wages	39,390	45,501	61,729	68,457	72,017
Room and Board	1,865	1,714	1,447	1,644	1,660
Interest	118,584	147,996	193,584	170,954	157,556
Fuel — Machinery	80,100	87,913	130,841	161,719	173,039
Machinery Repairs, etc.	82,045	92,626	115,343	121,687	122,295
Fertilizer	133,540	145,361	162,959	151,226	134,894
Pesticides	58,263	57,093	82,298	88,635	94,485
Seed, Twine, Wire, etc.	37,340	39,254	41,937	39,368	37,129
Feed	83,146	123,433	116,419	115,837	114,794
Feeder Cattle and Weanling Pigs	23,189	30,645	23,433	20,907	16,275
Other Livestock Expenses	6,580	7,291	7,988	9,532	10,456
Building Repairs	17,524	17,980	21,940	23,147	24,420
Electricity	21,689	22,272	20,682	23,784	24,973
Telephone	4,731	5,275	5,584	5,707	6,152
Insurance	9,666	13,683	13,844	17,146	21,873
Custom Work	12,324	13,209	22,694	25,531	27,931
Stabilization Levies	6,637	9,270	9,690	8,706	10,365
Miscellaneous	35,091	39,592	44,049	47,712	47,856
Total Operating Expenses	864,252	1,004,446	1,179,846	1,221,478	1,209,820
Building Depreciation	17,501	20,666	23,755	20,962	19,936
Machinery Depreciation	174,417	201,545	225,951	239,830	244,541
TOTAL EXPENSES	1,056,170	1,226,657	1,429,552	1,482,270	1,474,297

FARM NET INCOME

Farm net income refers to the returns to capital and labour of the farm operator and unpaid members of the farm family. It is the proceeds left over after payment of expenses, for family living and investment. A part of net income is imputed for home consumption of products, home rent and changes in inventory of crops and livestock. In 1983, farm net income was estimated at $145,856,000, down 54.2 percent from 1982. The substantial decline in total net income is the result of a drastic drawing down of inventories. Prior to adjustment for changes in inventories, realized net farm income in 1983 was 22.8 percent above the 1982 value.

	1979	1980	1981	1982	1983
			— thousand dollars —		
Farm Cash Receipts	1,326,872	1,480,524	1,662,445	1,697,271	1,743,446
Income in Kind	17,070	20,777	21,438	19,873	19,270
Realized Gross Income	1,343,942	1,501,301	1,683,883	1,717,144	1,762,716
Operating and Depreciation Cost	1,056,170	1,226,657	1,429,552	1,482,270	1,474,297
REALIZED NET INCOME	287,772	274,644	254,331	234,874	288,419
Value of Inventory Change	−42,186	−228,360	174,897	83,852	−142,563
TOTAL NET INCOME	245,586	46,284	429,228	318,726	145,856

WEATHER

Temperatures during the 1982-83 winter were consistently above normal in each of the five months and over the entire period averaged 8.6°C above the long-term value. In June, July and August temperatures averaged between 0.3°C and 4.2°C above normal. Precipitation levels in the period November, 1982 to February, 1983 totalled 65.2 millimetres, down 22 percent from normal. However, heavy rainfall in March, 189 percent above normal, resulted in a total accumulation for the "winter period" of 130.8 millimetres, up 24 percent from the long-term average.

Spring field work and seeding were delayed by cool daytime temperatures, below freezing temperatures at night, strong winds and low soil temperatures. Seeding operations in the province became general by May 12th. By the 15th of June seeding of cereals and oilseeds was complete in most districts, although in crop districts 4, 5 and 6, and in particular in district 5, a combination of cool weather, low soil temperatures and excessive surface moisture delayed the completion of planting by up to two weeks. Precipitation in June and July was 8 percent above average and eased concern over the potential for a reduction in yields as a result of moisture shortages. However, despite an improved moisture situation, above normal temperatures in June, July and August resulted in crop stress and yield reductions.

Harvesting operations were started by the end of the first week in August, approximately one week to two weeks ahead of normal. Yields of wheat, oats, barley, flaxseed and canola (rapeseed) were down 17, 15, 17, 7 and 15 percent respectively from the 1981-82 average. Hay yields were down 7 percent from levels achieved in 1982, but were up 1 percent from the ten-year average yield.

Weather Record for the Year 1983, Winnipeg

Compiled by Weather Office, Atmospheric Environment Service

	Temperature		Precipitation		Sunshine		
Month	Mean °C	Normal °C	1983 mm	Normal mm	Hours	Percent of Possible	Normal Hours
January	-12.4	-19.3	12.7	21.3	77.0	28.8	121.2
February	-10.5	-15.6	15.1	17.5	92.4	32.8	144.2
March	-4.7	-8.2	65.6	22.7	133.6	36.3	176.2
April	3.2	3.4	6.3	38.5	250.0	60.6	219.8
May	8.3	11.3	29.1	65.7	299.1	62.7	265.6
June	17.1	16.8	139.2	80.1	272.9	55.8	276.1
July	22.2	19.6	29.8	75.9	330.3	67.1	315.6
August	22.5	18.3	85.2	75.2	326.3	72.8	283.3
September	12.9	12.4	52.8	53.3	161.6	42.6	184.6
October	5.6	6.1	21.6	30.9	145.7	43.6	151.5
November	-1.9	-4.5	16.3	25.2	52.6	19.3	90.7
December	-20.3	-14.0	5.7	19.2	138.6	54.7	92.6
YEAR	3.5	7.8	479.4	525.5	2280.1	50.9	2321.4

Precipitation at Various Manitoba Points, 1983

— millimetres —

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Altona	12.0	7.2	53.3	4.0	20.5	98.4	38.8	33.4	61.4	25.7	18.6	10.4	383.7
Birtle	10.2	13.4	39.3	4.2	39.0	33.8	74.8	40.6	29.5	16.1	35.7	9.7	346.3
Brandon A	13.1	13.1	43.0	2.2	49.4	68.0	70.4	65.3	43.6	15.2	22.4	7.8	413.5
Carman	5.0	16.0	51.3	3.0	30.6	98.2	63.4	34.4	51.8	26.9	17.4	3.0	401.0
Churchill A	20.3	28.7	34.6	60.9	13.2	58.1	64.1	100.5	119.1	39.5	55.3	24.0	618.3
Cypress River	13.2	9.4	31.4	3.8	41.4	61.1	63.2	33.2	69.8	31.2	13.8	8.0	379.5
Dauphin A	6.2	22.3	59.0	8.4	50.0	112.9	82.2	14.5	33.4	34.3	25.6	7.8	456.6
Emerson	12.2	9.0	59.5	2.6	22.6	71.4	67.5	20.7	69.8	33.4	23.0	6.7	398.4
Flin Flon	17.4	12.4	15.2	33.9	48.8	86.6	92.5	54.6	142.3	19.0	60.1	8.8	591.6
Gimli	19.6	17.0	46.4	4.8	28.0	173.8	26.8	9.4	40.2	53.8	44.4	11.0	475.2
Hamiota	10.0	17.5	18.0	2.0	71.0	39.0	48.3	23.2	33.0	11.0	27.0	11.0	311.0
Lundar	7.0	4.9	31.0	1.0	36.0	76.0	26.0	30.0	38.0	42.0	11.0	6.0	308.9
McCreary	15.0	32.0	27.5	TR	67.7	70.0	75.6	7.7	20.6	44.5	23.4	12.0	396.0
Morden AC	4.4	10.4	52.4	10.8	28.4	62.0	36.6	58.6	66.6	33.4	19.8	5.4	388.8
Morris	18.6	7.8	49.5	2.0	10.8	86.0	52.0	58.5	54.0	22.0	23.6	6.6	391.4
Neepawa	13.0	22.5	31.3	0.2	60.7	59.6	68.0	40.4	47.2	19.2	29.4	4.9	396.4
Pierson	15.4	11.0	33.4	3.0	33.4	59.4	91.8	58.4	49.0	15.0	16.8	15.6	402.2
Pilot Mound	3.6	6.4	38.4	10.8	30.8	77.7	47.0	45.2	72.6	25.2	20.1	7.2	385.0
Pinawa	21.9	16.1	69.2	7.9	21.3	75.5	58.3	28.5	51.5	29.6	27.7	11.4	418.9
Portage la Prairie	7.8	10.1	64.1	6.9	48.3	64.1	37.3	41.4	53.4	19.9	21.1	6.5	380.9
Roblin	9.5	29.5	27.0	17.9	48.4	90.7	153.9	42.9	51.0	27.3	32.9	10.5	541.5
Russell	21.0	32.0	33.8	10.0	36.6	57.6	90.6	16.0	42.8	21.6	26.4	16.0	404.4
Shoal Lake	13.0	18.0	35.0	3.0	37.5	58.6	57.2	33.0	38.4	21.2	32.0	10.0	356.9
Sprague	36.1	17.1	29.0	13.8	80.4	128.4	71.2	99.2	75.9	47.4	53.2	9.0	660.7
Steinbach	11.2	14.8	60.6	2.6	31.6	103.2	94.2	45.6	52.0	30.0	35.0	7.5	488.3
Swan River	13.8	20.6	49.1	20.2	57.9	100.0	152.8	46.6	69.0	28.8	49.1	9.4	617.3
The Pas A	16.1	10.8	22.5	22.6	74.1	72.7	134.8	57.8	96.0	12.8	51.1	8.8	580.1
Thompson A	25.4	14.2	46.1	13.9	55.3	22.5	102.0	109.3	118.5	17.6	55.5	9.5	589.8
Turtle Mountain	11.8	10.8	43.4	8.0	48.2	61.6	44.6	25.7	61.4	13.4	29.7	13.0	371.6
Virden	13.2	18.4	49.6	3.0	36.1	46.2	51.6	33.4	41.6	13.6	17.7	12.0	336.4
Winnipeg A	12.7	15.1	65.6	6.3	29.1	139.2	29.8	85.2	52.8	21.6	16.3	5.7	479.4

— inches —

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Altona	0.47	0.28	2.10	0.16	0.81	3.87	1.53	1.31	2.42	1.01	0.73	0.41	15.10
Birtle	0.40	0.53	1.55	0.17	1.54	1.33	2.94	1.60	1.16	0.63	1.41	0.38	13.64
Brandon A	0.51	0.52	1.69	0.09	1.94	2.68	2.77	2.57	1.72	0.60	0.88	0.31	16.28
Carman	0.20	0.63	2.02	0.12	1.20	3.87	2.50	1.35	2.04	1.06	0.69	0.12	15.80
Churchill A	0.80	1.13	1.36	2.40	0.52	2.29	2.52	3.96	4.69	1.56	2.18	0.94	24.35
Cypress River	0.52	0.37	1.24	0.15	1.63	2.41	2.49	1.31	2.75	1.23	0.54	0.31	14.95
Dauphin A	0.24	0.88	2.32	0.33	1.97	4.44	3.24	0.57	1.31	1.35	1.01	0.31	17.97
Emerson	0.48	0.35	2.34	0.10	0.89	2.81	2.66	0.81	2.75	1.31	0.91	0.26	15.67
Flin Flon	0.69	0.49	0.60	1.33	1.92	3.41	3.64	2.15	5.60	0.75	2.37	0.35	23.30
Gimli	0.77	0.67	1.83	0.19	1.10	6.84	1.06	0.37	1.58	2.12	1.75	0.43	18.71
Hamiota	0.40	0.69	0.71	0.08	2.80	1.54	1.90	0.91	1.30	0.43	1.06	0.43	12.25
Lundar	0.28	0.19	1.22	0.04	1.42	2.99	1.02	1.18	1.50	1.65	0.43	0.24	12.16
McCreary	0.59	1.26	1.08	TR	2.67	2.76	2.98	0.30	0.81	1.75	0.92	0.47	15.59
Morden AC	0.17	0.41	2.06	0.43	1.12	2.44	1.44	2.31	2.62	1.31	0.78	0.21	15.30
Morris	0.73	0.31	1.95	0.08	0.43	3.39	2.05	2.30	2.13	0.87	0.93	0.26	15.43
Neepawa	0.51	0.89	1.23	0.01	2.39	2.35	2.68	1.59	1.86	0.76	1.16	0.19	15.62
Pierson	0.61	0.43	1.31	0.12	1.31	2.34	3.61	2.30	1.93	0.59	0.66	0.61	15.82
Pilot Mound	0.14	0.25	1.51	0.43	1.21	3.06	1.85	1.78	2.86	0.99	0.79	0.28	15.15
Pinawa	0.86	0.63	2.72	0.31	0.84	2.97	2.30	1.12	2.03	1.17	1.09	0.45	16.49
Portage la Prairie	0.31	0.40	2.52	0.27	1.90	2.52	1.47	1.63	2.10	0.78	0.83	0.26	14.99
Roblin	0.37	1.16	1.06	0.70	1.91	3.57	6.06	1.69	2.01	1.07	1.30	0.41	21.31
Russell	0.83	1.26	1.33	0.39	1.44	2.27	3.57	0.63	1.69	0.85	1.04	0.63	15.93
Shoal Lake	0.51	0.71	1.38	0.12	1.48	2.31	2.25	1.30	1.51	0.83	1.26	0.39	14.05
Sprague	1.42	0.67	1.14	0.54	3.17	5.06	2.80	3.91	2.99	1.87	2.09	0.34	26.00
Steinbach	0.44	0.58	2.39	0.10	1.24	4.06	3.71	1.80	2.05	1.18	1.38	0.33	19.26
Swan River	0.54	0.81	1.93	0.80	2.28	3.94	6.02	1.83	2.72	1.13	1.93	0.37	24.30
The Pas A	0.63	0.43	0.89	0.89	2.92	2.86	5.31	2.28	3.78	0.50	2.01	0.35	22.85
Thompson A	1.00	0.56	1.81	0.55	2.18	0.89	4.02	4.30	4.67	0.69	2.19	0.37	23.23
Turtle Mountain	0.46	0.43	1.71	0.31	1.90	2.43	1.76	1.01	2.42	0.53	1.17	0.51	14.64
Virden	0.52	0.72	1.95	0.12	1.42	1.82	2.03	1.31	1.64	0.54	0.70	0.47	13.24
Winnipeg A	0.50	0.59	2.58	0.25	1.15	5.48	1.17	3.35	2.08	0.85	0.64	0.22	18.86

AC: Agriculture Canada A: Airport

MANITOBA AGRICULTURE IN PERSPECTIVE

Relationship to Canadian Agriculture

This section is designed to show how certain features of Manitoba agriculture relate to the national situation. Latest possible information is given for each item listed. Items were selected to indicate a fairly representative cross section of the agricultural industry.

	Year	Canada Quantity	Manitoba Quantity	Percent of Canada
Crop Production		— thousand tonnes —		
Wheat (all)	1983	26 914	3 410	12.7
Oats	1983	2 773	401	14.5
Barley	1983	10 616	1 589	15.0
Flaxseed	1983	465	297	63.9
Canola (Rapeseed)	1983	2 681	408	15.2
		— thousand bushels —		
Wheat (all)	1983	988,915	125,300	12.7
Oats	1983	179,817	26,000	14.5
Barley	1983	487,562	73,000	15.0
Flaxseed	1983	18,300	11,700	63.9
Canola (Rapeseed)	1983	118 200	18,000	15.2
Livestock and Poultry		— 000 —	— 000 —	
Cattle July 1	1983	12,586	1,063	8.5
Hogs July 1	1983	10,271	898	8.7
Egg Production	1983	504,092 doz	52,390 doz	10.4
Milk and Cream Sales	1983	7 229 498 L	292 155 L	4.0
Marketings		Number	Number	
Slaughter Cattle	1983	3,850,358	262,627	6.8
Feeder Cattle	1983	214,413	84,806	39.6
TOTAL	1983	4,064,771	347,433	8.6
Hogs (Slaughterings)	1983	13,116,522	1,222,855	9.3
Sheep and Lambs	1983	276,442	16,273	5.9
Resources (Census Farms)				
Land in Farms	1981	65 888 916 ha	7 615 926 ha	11.6
Improved Land	1981	46 121 591 ha	5 503 980 ha	11.9
Land in Farms	1981	162,815,073 ac	18,819,359 ac	11.6
Improved Land	1981	113,968,945 ac	13,600,633 ac	11.9
Farm Numbers	1981	318,361	29,442	9.2
Farm Population	1981	1,081,637	98,375	9.1
Tractors on Farms	1981	657,606	67,342	10.2
Income		— thousand dollars —		
Farm Cash Income	1982	19,042,297	1,717,144	9.0
Cash and Overhead Expenses	1982	15,419,150	1,482,270	9.6
Farm Net Income	1982	3,779,019	318,726	8.4
Farm Cash Income	1983	18,920,641	1,762,716	9.3
Cash and Overhead Expenses	1983	15,444,063	1,474,297	9.6
Farm Net Income	1983	2,868,040	145,856	5.1

PAST TRENDS

Production Value Summary

Year	Crops	Livestock	Honey & Wax	Other	Total
			— million dollars —		
1949	205	102	0.8	2.2	310
1950	229	92	0.8	2.2	324
1951	232	130	0.7	2.3	365
1952	252	110	0.5	3.5	366
1953	186	96	0.7	3.3	286
1954	143	101	0.6	3.4	248
1955	172	106	0.9	4.1	283
1956	208	103	0.9	4.1	316
1957	157	110	0.9	4.1	272
1958	195	141	0.8	4.2	341
1959	201	132	0.8	4.2	338
1960	224	124	0.9	3.1	352
1961	137	135	1.0	4.0	277
1962	293	129	0.8	3.2	426
1963	243	135	1.1	3.9	383
1964	295	134	1.0	3.0	433
1965	321	143	1.1	3.9	469
1966	322	165	1.4	3.6	492
1967	307	164	1.6	3.4	476
1968	294	164	0.7	3.3	462
1969	264	209	1.5	3.5	478
1970	233	223	1.5	1.5	459
1971	338	206	1.4	1.6	547
1972	437	253	3.0	1.0	694
1973	929	355	3.9	2.1	1,290
1974	708	339	3.5	3.5	1,054
1975	767	326	3.2	4.8	1,101
1976	741	330	4.8	7.2	1,083
1977	851	345	5.2	7.8	1,209
1978	1,077	428	8.0	4.0	1,517
1979	1,028	537	9.3	5.7	1,580
1980	1,122	533	9.3	4.7	1,669
1981	1,451	524	10.7	5.3	1,991
1982	1,434	562	11.0	7.8	2,015
1983	1,392	583	9.9	8.5	1,993

CROPS

Wheat

Year	Planted Hectares (000)	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1949	1 168	1 212	1 415 232	59.86	84,760
1950	964	1 412	1 350 800	59.52	81,000
1951	941	1 533	1 442 448	59.16	85,330
1952	958	1 619	1 551 312	59.89	92,910
1953	931	1 403	1 306 368	49.97	65,280
1954	866	911	789 264	48.13	37,990
1955	840	1 361	1 143 072	52.18	59,640
1956	890	1 712	1 524 096	47.77	72,800
1957	890	1 498	1 333 584	48.50	64,680
1958	1 004	1 654	1 660 176	49.97	82,960
1959	1 080	1 562	1 687 392	50.70	85,560
1960	1 133	1 585	1 796 256	59.16	106,260
1961	1 179	785	925 344	64.67	59,840
1962	1 231	1 769	2 177 280	62.46	136,000
1963	1 276	1 301	1 660 176	62.83	104,310
1964	1 370	1 689	2 313 360	59.89	138,550
1965	1 311	1 640	2 449 440	60.63	130,350
1966	1 317	1 633	2 150 064	65.40	140,620
1967	1 424	1 720	2 449 440	60.26	147,600
1968	1 376	1 800	2 476 656	48.27	119,544
1969	1 012	1 721	1 741 824	45.56	79,360
1970	567	1 464	830 088	52.18	43,310
1971	1 019	1 976	2 013 984	50.34	101,380
1972	1 052	1 785	1 877 904	68.34	128,340
1973	1 214	1 726	2 095 555	158.00	331,100
1974	1 133	1 417	1 605 700	146.98	236,000
1975	1 255	1 691	2 122 800	129.71	275,340
1976	1 538	1 823	2 803 200	102.88	288,400
1977	1 295	2 123	2 748 800	98.10	269,670
1978	1 376	2 057	2 830 400	132.64	375,440
1979	1 214	1 681	2 041 200	169.64	346,260
1980	1 336	1 426	1 905 100	202.88	386,512
1981	1 578	2 105	3 326 100	168.64	560,898
1982	1 619	2 286	3 701 000	164.50	608,815
1983	1 862	1 832	3 410 000	180.00	613,800

Wheat

Year	Planted Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1949	2,887	18.0	52,000	1.63	84,760
1950	2,382	21.0	50,000	1.62	81,000
1951	2,326	22.8	53,000	1.61	85,330
1952	2,368	24.1	57,000	1.63	92,910
1953	2,300	20.8	48,000	1.36	65,280
1954	2,139	13.5	29,000	1.31	37,990
1955	2,075	20.2	42,000	1.42	59,640
1956	2,199	25.6	56,000	1.30	72,800
1957	2,200	22.3	49,000	1.32	64,680
1958	2,480	24.6	61,000	1.36	82,960
1959	2,670	23.1	62,000	1.38	85,560
1960	2,800	23.6	66,000	1.61	106,260
1961	2,914	11.7	34,000	1.76	59,840
1962	3,042	26.3	80,000	1.70	136,000
1963	3,153	19.3	61,000	1.71	104,310
1964	3,385	25.1	85,000	1.63	138,550
1965	3,240	24.4	79,000	1.65	130,350
1966	3,255	24.3	79,000	1.78	140,620
1967	3,520	25.6	90,000	1.64	147,600
1968	3,400	26.8	91,000	1.31	119,544
1969	2,500	25.6	64,000	1.24	79,360
1970	1,400	21.8	30,500	1.42	43,310
1971	2,519	29.4	74,000	1.37	101,380
1972	2,600	26.5	69,000	1.86	128,340
1973	3,000	25.7	77,000	4.30	331,100
1974	2,800	21.1	59,000	4.00	236,000
1975	3,100	25.2	78,000	3.53	275,340
1976	3,800	27.1	103,000	2.80	288,400
1977	3,200	31.6	101,000	2.67	269,670
1978	3,400	30.6	104,000	3.61	375,440
1979	3,000	25.0	75,000	4.62	346,260
1980	3,300	21.2	70,000	5.52	386,512
1981	3,900	31.3	122,200	4.59	560,898
1982	4,000	34.0	136,000	4.48	608,815
1983	4,600	27.2	125,300	4.89	613,800

Oats

Year	Harvested For Grain (000 hectares)	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1949	650	1 184	769 558	49.93	38,423
1950	616	1 657	1 020 936	46.69	47,664
1951	665	1 345	894 476	46.04	41,180
1952	652	1 537	1 002 430	40.20	40,300
1953	571	1 431	817 366	37.61	30,740
1954	611	909	555 192	40.20	22,320
1955	601	1 283	771 100	41.50	32,000
1956	789	1 720	1 357 136	33.72	45,760
1957	607	1 220	740 256	33.72	24,960
1958	579	1 332	771 100	36.31	28,000
1959	575	1 341	771 100	41.50	32,000
1960	607	1 423	863 632	40.20	34,720
1961	526	704	370 128	40.85	15,120
1962	726	1 891	1 372 558	38.26	52,510
1963	656	1 458	956 164	35.66	34,100
1964	662	1 701	1 125 806	38.91	47,450
1965	617	1 850	1 141 228	46.04	52,540
1966	619	1 595	987 008	48.63	48,000
1967	647	1 573	1 017 852	44.74	45,540
1968	639	1 955	1 249 182	32.42	40,500
1969	619	1 719	1 064 118	35.01	37,260
1970	510	1 603	817 366	36.96	30,210
1971	565	2 074	1 172 072	34.37	40,280
1972	461	1 840	848 210	50.95	49,500
1973	526	1 847	971 586	105.69	102,690
1974	486	1 366	633 100	103.24	65,360
1975	445	1 733	771 100	93.37	72,000
1976	506	1 859	940 800	73.27	68,930
1977	425	2 105	894 500	64.19	57,420
1978	304	2 080	632 300	64.19	40,590
1979	182	1 694	308 400	88.85	27,400
1980	182	1 525	277 600	119.31	33,120
1981	243	1 906	462 700	95.96	44,400
1982	243	2 300	571 000	81.00	46,251
1983	223	1 798	401 000	110.00	44,110

Oats

Year	Harvested For Grain (000 acres)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value	
				Price Per Bushel $	Total ($000)
1949	1,605	31.1	49,900	0.77	38,423
1950	1,522	43.5	66,200	0.72	47,664
1951	1,643	35.3	58,000	0.71	41,180
1952	1,611	40.3	65,000	0.62	40,300
1953	1,412	37.5	53,000	0.58	30,740
1954	1,510	23.8	36,000	0.62	22,320
1955	1,485	33.7	50,000	0.64	32,000
1956	1,950	45.0	88,000	0.52	45,760
1957	1,500	32.2	48,000	0.52	24,960
1958	1,430	35.1	50,000	0.56	28,000
1959	1,420	35.3	50,000	0.64	32,000
1960	1,500	37.3	56,000	0.62	34,720
1961	1,300	18.5	24,000	0.63	15,120
1962	1,794	49.6	89,000	0.59	52,510
1963	1,620	38.3	62,000	0.55	34,100
1964	1,635	44.6	73,000	0.65	47,450
1965	1,525	48.5	74,000	0.71	52,540
1966	1,530	41.8	64,000	0.75	48,000
1967	1,600	41.2	66,000	0.69	45,540
1968	1,580	51.3	81,000	0.50	40,500
1969	1,530	45.1	69,000	0.54	37,260
1970	1,260	42.1	53,000	0.57	30,210
1971	1,395	54.5	76,000	0.53	40,280
1972	1,140	48.2	55,000	0.90	49,500
1973	1,300	48.5	63,000	1.63	102,690
1974	1,200	35.8	43,000	1.52	65,360
1975	1,100	45.5	50,000	1.44	72,000
1976	1,250	48.8	61,000	1.13	68,930
1977	1,050	55.2	58,000	0.99	57,420
1978	750	54.7	41,000	0.99	40,590
1979	450	44.4	20,000	1.37	27,400
1980	450	40.0	18,000	1.84	33,120
1981	600	50.0	30,000	1.48	44,400
1982	600	61.7	37,000	1.25	46,251
1983	550	47.3	26,000	1.70	44,110

Barley

Year	Harvested Hectares (000)	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1949	688	1 266	870 920	64.30	56,000
1950	695	1 723	1 197 515	52.36	62,700
1951	826	1 476	1 219 288	51.83	63,200
1952	876	1 765	1 545 883	50.98	78,810
1953	957	1 388	1 328 153	41.79	55,510
1954	891	1 075	958 012	42.25	40,480
1955	846	1 029	870 920	43.17	37,600
1956	626	1 461	914 466	38.58	35,280
1957	690	1 041	718 509	37.20	26,730
1958	641	1 495	958 012	37 20	35,640
1959	514	1 398	718 509	35.82	25,740
1960	376	1 390	522 552	38.58	20,160
1961	265	739	195 957	48.22	9,450
1962	255	1 793	457 233	44.09	20,160
1963	236	1 476	348 368	44.55	15,520
1964	201	1 733	348 368	48.22	16,800
1965	243	1 971	479 006	48.22	23,100
1966	354	1 722	609 644	50.52	30,800
1967	393	1 828	718 509	40.88	29,370
1968	473	1 979	936 239	36.28	33,970
1969	486	1 882	914 466	31.69	28,980
1970	607	1 829	1 110 423	33.99	37,740
1971	830	2 466	2 046 662	32.15	65,800
1972	850	2 177	1 850 705	57.87	107,100
1973	850	2 126	1 807 159	115.28	208,330
1974	728	1 584	1 153 900	101.97	117,600
1975	607	1 829	1 110 400	104.72	116,280
1976	648	2 257	1 458 700	91.86	134,000
1977	769	2 661	2 046 600	75.78	155,100
1978	708	2 614	1 850 700	77.62	143,650
1979	587	2 151	1 262 800	102.88	129,920
1980	809	1 940	1 567 600	136.87	214,560
1981	951	2 448	2 330 000	114.80	267,500
1982	809	2 933	2 373 000	91.00	215,943
1983	706	2 244	1 589 000	120.00	190,680

Barley

Year	Harvested Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1949	1,699	23.5	40,000	1.40	56,000
1950	1,717	32.0	55,000	1.14	62,700
1951	2,040	27.5	56,000	1.13	63,200
1952	2,165	32.8	71,000	1.11	78,810
1953	2,365	25.8	61,000	0.91	55,510
1954	2,202	20.0	44,000	0.92	40,480
1955	2,090	19.1	40,000	0.94	37,600
1956	1,548	26.9	42,000	0.84	35,280
1957	1,704	19.4	33,000	0.81	26,730
1958	1,584	27.3	44,000	0.81	35,640
1959	1,270	25.9	33,000	0.78	25,740
1960	930	26.1	24,000	0.84	20,160
1961	655	13.7	9,000	1.05	9,450
1962	629	33.4	21,000	0.96	20,160
1963	584	27.4	16,000	0.97	15,520
1964	497	32.2	16,000	1.05	16,800
1965	601	36.6	22,000	1.05	23,100
1966	875	32.0	28,000	1.10	30,800
1967	970	34.0	33,000	0.89	29,370
1968	1,170	36.8	43,000	0.79	33,970
1969	1,200	35.0	42,000	0.69	28,980
1970	1,500	34.0	51,000	0.74	37,740
1971	2,052	45.8	94,000	0.70	65,800
1972	2,100	40.5	85,000	1.26	107,100
1973	2,100	39.5	83,000	2.51	208,330
1974	1,800	29.4	53,000	2.22	117,600
1975	1,500	34.0	51,000	2.28	116,280
1976	1,600	41.9	67,000	2.00	134,000
1977	1,900	49.5	94,000	1.65	155,100
1978	1,750	48.6	85,000	1.69	143,650
1979	1,450	40.0	58,000	2.24	129,920
1980	2,000	36.0	72,000	2.98	214,560
1981	2,250	45.5	107,000	2.50	267,500
1982	2,000	54.5	109,000	1.98	215,943
1983	1,750	41.7	73,000	2.61	190,680

Flaxseed

Year	Planted Hectares (000)	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1949	57	512	29 162	130.68	3,811
1950	131	608	79 584	135.43	10,778
1951	265	446	118 119	152.35	17,996
1952	202	578	116 849	125.58	14,674
1953	170	568	96 528	96.84	9,348
1954	180	564	101 608	104.32	10,600
1955	215	520	111 769	110.23	12,320
1956	319	637	203 216	101.96	20,720
1957	350	254	88 907	97.63	8,680
1958	223	535	119 389	103.14	12,314
1959	233	502	116 849	119.68	13,984
1960	286	568	162 573	108.26	17,600
1961	303	360	109 229	129.91	14,190
1962	270	734	198 136	118.10	23,400
1963	332	712	236 239	112.20	26,505
1964	415	649	269 261	116.13	31,270
1965	546	754	411 512	105.90	43,578
1966	448	595	266 710	106.29	28,350
1967	267	542	144 791	121.25	17,556
1968	332	796	264 181	111.80	29,536
1969	445	582	259 100	101.17	26,214
1970	445	656	292 112	87.40	25,530
1971	229	654	149 872	85.82	12,862
1972	202	741	149 872	161.40	24,190
1973	243	794	193 055	375.96	72,580
1974	283	592	167 700	376.24	63,096
1975	304	703	213 500	257.70	55,020
1976	212	753	160 000	266.96	42,714
1977	304	1 088	330 100	206.76	68,250
1978	304	1 046	317 500	268.11	85,125
1979	506	878	444 500	279.92	124,425
1980	324	651	211 000	319.80	67,479
1981	280	923	261 600	322.47	84,357
1982	364	1 165	424 000	244.00	103,456
1983	304	979	297 000	290.00	86,130

Flaxseed

Year	Planted Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1949	140	8.2	1,148	3.32	3,811
1950	323	9.7	3,133	3.44	10,778
1951	655	7.1	4,650	3.87	17,996
1952	500	9.2	4,600	3.19	14,674
1953	420	9.0	3,800	2.46	9,348
1954	444	9.0	4,000	2.65	10,600
1955	531	8.3	4,400	2.80	12,320
1956	789	10.1	8,000	2.59	20,720
1957	865	4.0	3,500	2.48	8,680
1958	550	8.6	4,700	2.62	12,314
1959	575	8.0	4,600	3.04	13,984
1960	707	9.1	6,400	2.75	17,600
1961	748	5.7	4,300	3.30	14,190
1962	667	11.7	7,800	3.00	23,400
1963	820	11.3	9,300	2.85	26,505
1964	1,025	10.3	10,600	2.95	31,270
1965	1,350	12.0	16,200	2.69	43,578
1966	1,107	9.5	10,500	2.70	28,350
1967	660	8.6	5,700	3.08	17,556
1968	820	12.7	10,400	2.84	29,536
1969	1,100	9.3	10,200	2.57	26,214
1970	1,100	10.5	11,500	2.22	25,530
1971	566	10.4	5,900	2.18	12,862
1972	500	11.8	5,900	4.10	24,190
1973	600	12.7	7,600	9.55	72,580
1974	700	9.4	6,600	9.56	63,096
1975	750	11.2	8,400	6.55	55,020
1976	525	12.0	6,300	6.78	42,714
1977	750	17.3	13,000	5.25	68,250
1978	750	16.7	12,500	6.81	85,125
1979	1,250	14.0	17,500	7.11	124,425
1980	800	10.4	8,300	8.13	67,479
1981	694	14.8	10,300	8.19	84,357
1982	900	18.6	16,700	6.20	103,456
1983	750	15.6	11,700	7.36	86,130

Rye

Year	Planted Hectares (000)	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value	
				Price Per Tonne $	Total ($000)
1949	19	1 003	19 052	46.82	892
1950	33	1 001	33 023	51.57	1,703
1951	21	1 010	21 211	60.63	1,286
1952	29	1 069	30 990	55.89	1,732
1953	56	1 270	71 126	34.25	2,436
1954	37	1 092	40 389	37.02	1,495
1955	36	1 235	44 454	36.98	1,644
1956	28	998	27 942	38.19	1,067
1957	30	1 016	30 482	34.64	1,056
1958	29	1 051	30 482	33.46	1,020
1959	34	1 240	42 167	34.65	1,461
1960	34	1 240	42 167	34.24	1,444
1961	32	703	22 506	42.52	957
1962	48	1 588	76 206	41.34	3,150
1963	38	1 404	53 342	49.29	2,625
1964	54	1 317	71 123	41.34	2,940
1965	54	1 411	76 203	40.94	3,120
1966	41	1 487	60 965	42.52	2,592
1967	57	1 189	67 747	42.51	2,880
1968	49	1 296	63 505	39.37	2,500
1969	66	1 138	75 136	34.24	2,573
1970	53	1 360	72 088	34.25	2,469
1971	52	1 602	83 319	29.52	2,460
1972	33	1 409	46 486	51.56	2,397
1973	33	1 651	54 487	104.32	5,684
1974	41	1 549	63 502	88.58	5,625
1975	47	1 621	76 203	98.42	7,500
1976	37	1 854	68 600	84.23	5,778
1977	45	1 873	83 900	86.14	7,227
1978	51	1 951	99 100	102.32	10,140
1979	50	1 600	80 000	144.90	11,592
1980	61	1 225	74 700	171.99	12,848
1981	76	2 290	175 300	139.73	24,495
1982	88	2 287	203 100	87.00	17,670
1983	85	1 918	163 000	100.00	16,300

Rye

Year	Planted Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1949	46	16.3	750	1.19	892
1950	82	15.8	1,300	1.31	1,703
1951	53	15.8	835	1.54	1,286
1952	72	16.9	1,220	1.42	1,732
1953	138	20.3	2,800	0.87	2,436
1954	92	17.2	1,590	0.94	1,495
1955	89	19.7	1,750	0.94	1,644
1956	68	16.1	1,100	0.97	1,067
1957	73	16.5	1,200	0.88	1,056
1958	72	16.8	1,200	0.85	1,020
1959	83	20.0	1,660	0.88	1,461
1960	83	20.0	1,660	0.87	1,444
1961	80	11.1	886	1.08	957
1962	119	25.2	3,000	1.05	3,150
1963	95	22.1	2,100	1.25	2,625
1964	133	21.1	2,800	1.05	2,940
1965	133	22.6	3,000	1.04	3,120
1966	101	23.9	2,400	1.08	2,592
1967	141	18.9	2,667	1.08	2,880
1968	120	20.8	2,500	1.00	2,500
1969	163	18.1	2,958	0.87	2,573
1970	130	21.8	2,838	0.87	2,469
1971	128	25.5	3,280	0.75	2,460
1972	82	22.5	1,830	1.31	2,397
1973	82	26.2	2,145	2.65	5,684
1974	102	24.5	2,500	2.25	5,625
1975	117	25.6	3,000	2.50	7,500
1976	92	29.3	2,700	2.14	5,778
1977	110	30.0	3,300	2.19	7,227
1978	125	31.2	3,900	2.60	10,140
1979	125	25.2	3,150	3.68	11,592
1980	150	19.6	2,940	4.37	12,848
1981	190	36.3	6,900	3.55	24,495
1982	220	36.4	8,000	2.21	17,670
1983	210	30.6	6,420	2.54	16,300

Mixed Grains

Year	Planted Hectares (000)	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1949	11	1 241	13 650	41.98	573
1950	13	1 622	21 089	48.41	1,021
1951	13	1 511	19 639	43.03	845
1952	15	1 488	22 318	41.40	924
1953	13	1 591	20 680	40.33	834
1954	15	1 220	18 300	43.01	787
1955	19	1 196	22 726	43.56	990
1956	27	1 613	43 555	34.42	1,499
1957	29	1 284	37 194	32.80	1,220
1958	45	1 404	63 230	35.49	2,244
1959	55	1 416	77 904	39.25	3,058
1960	51	1 456	74 278	40.33	2,996
1961	64	830	53 133	48.93	2,600
1962	50	1 860	92 986	44.09	4,100
1963	51	1 422	72 529	40.87	2,964
1964	51	1 787	91 127	45.17	4,116
1965	59	1 891	111 584	45.71	5,100
1966	74	1 720	127 298	51.08	6,503
1967	72	1 731	124 602	48.39	6,030
1968	72	1 989	143 199	41.40	5,929
1969	77	1 715	132 041	34.41	4,544
1970	101	1 694	171 095	38.18	6,532
1971	115	2 183	251 063	34.95	8,775
1972	117	1 987	232 466	58.07	13,500
1973	119	1 954	232 466	111.31	25,875
1974	81	1 378	111 584	102.17	11,400
1975	81	1 722	139 500	100.00	13,950
1976	69	2 040	140 800	76.94	10,833
1977	69	2 367	163 300	79.85	13,040
1978	65	2 174	141 300	91.44	12,920
1979	57	2 112	120 400	104.87	12,626
1980	49	1 792	87 800	129.78	11,395
1981	49	2 260	110 000	114.87	12,636
1982	49	2 695	131 000	89.00	11,659
1983	49	2 017	98 000	118.00	11,564

Mixed Grains

Year	Planted Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1949	27	27.0	734	0.78	573
1950	32	35.0	1,134	0.90	1,021
1951	33	32.0	1,056	0.80	845
1952	37	32.8	1,200	0.77	924
1953	33	33.4	1,112	0.75	834
1954	38	25.7	984	0.80	787
1955	47	26.0	1,222	0.81	990
1956	67	35.0	2,342	0.64	1,499
1957	72	27.7	2,000	0.61	1,220
1958	111	30.6	3,400	0.66	2,244
1959	136	30.8	4,189	0.73	3,058
1960	126	31.7	3,994	0.75	2,996
1961	157	18.2	2,857	0.91	2,600
1962	124	40.3	5,000	0.82	4,100
1963	126	31.0	3,900	0.76	2,964
1964	126	38.9	4,900	0.84	4,116
1965	146	41.1	6,000	0.85	5,100
1966	184	37.2	6,845	0.95	6,503
1967	178	37.6	6,700	0.90	6,030
1968	178	43.3	7,700	0.77	5,929
1969	190	37.4	7,100	0.64	4,544
1970	250	36.8	9,200	0.71	6,532
1971	284	47.5	13,500	0.65	8,775
1972	290	43.1	12,500	1.08	13,500
1973	295	42.4	12,500	2.07	25,875
1974	200	30.0	6,000	1.90	11,400
1975	200	37.5	7,500	1.86	13,950
1976	170	40.6	6,900	1.57	10,833
1977	170	47.1	8,000	1.63	13,040
1978	160	47.5	7,600	1.70	12,920
1979	140	42.1	5,900	2.14	12,626
1980	120	35.8	4,300	2.65	11,395
1981	120	45.0	5,400	2.34	12,636
1982	120	53.3	6,400	1.82	11,659
1983	120	40.0	4,800	2.41	11,564

Grain Corn

Year	Planted Hectares (000)	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1949	8 903	1 569	13 971	37.36	522
1950	12 140	816	9 907	37.35	370
1951	10 117	377	3 810	39.37	150
1952	7 972	1 759	14 022	43.29	607
1953	6 070	1 883	11 431	39.37	450
1954	4 006	1 465	5 868	43.28	254
1955	2 549	1 883	4 801	43.32	208
1956	2 873	1 574	4 522	47.32	214
1957	3 237	1 569	5 080	47.24	240
1958	2 833	1 569	4 445	45.67	203
1959	2 023	1 883	3 810	37.27	142
1960	2 226	2 043	4 547	42.45	193
1961	1 659	1 883	3 124	45.13	141
1962	1 335	2 512	3 353	45.33	152
1963	1 821	2 511	4 572	49.21	225
1964	2 023	1 569	3 175	47.24	150
1965	2 428	1 569	3 810	49.34	188
1966	1 174	2 813	3 302	57.84	191
1967	2 226	3 138	6 986	58.98	412
1968	1 012	2 510	2 540	51.97	132
1969	1 214	2 092	2 540	53.15	135
1970	1 416	2 511	3 556	59.06	210
1971	3 683	3 030	11 177	49.21	550
1972	5 261	3 380	17 781	61.02	1,085
1973	6 475	3 452	22 354	120.07	2,684
1974	2 024	2 384	4 826	144.42	697
1975	4 856	3 923	19 050	120.10	2,288
1976	6 900	4 232	29 200	118.94	3,473
1977	9 700	4 062	39 400	103.07	4,061
1978	35 600	4 140	147 300	110.25	16,240
1979	53 000	3 738	198 100	124.03	24,570
1980	57 000	3 365	190 500	133.86	25,500
1981	91 000	4 750	432 000	107.04	46,240
1982	81 000	3 136	254 000	104.72	26,600
1983	81 000	2 820	229 000	138.00	31,602

Grain Corn

Year	Planted Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1949	22,000	25.0	550	0.95	522
1950	30,000	13.0	390	0.95	370
1951	25,000	6.0	150	1.00	150
1952	19,700	28.0	552	1.10	607
1953	15,000	30.0	450	1.00	450
1954	9,900	23.3	231	1.10	254
1955	6,300	30.0	189	1.10	208
1956	7,100	25.0	178	1.20	214
1957	8,000	25.0	200	1.20	240
1958	7,000	25.0	175	1.16	203
1959	5,000	30.0	150	0.95	142
1960	5,500	32.5	179	1.08	193
1961	4,100	30.0	123	1.15	141
1962	3,300	40.0	132	1.15	152
1963	4,500	40.0	180	1.25	225
1964	5,000	25.0	125	1.20	150
1965	6,000	25.0	150	1.25	188
1966	2,900	44.8	130	1.47	191
1967	5,500	50.0	275	1.50	412
1968	2,500	40.0	100	1.32	132
1969	3,000	33.3	100	1.35	135
1970	3,500	40.0	140	1.50	210
1971	9,100	48.4	440	1.25	550
1972	13,000	53.8	700	1.55	1,085
1973	16,000	55.0	880	3.05	2,684
1974	5,000	38.0	190	3.67	697
1975	12,000	62.5	750	3.05	2,288
1976	17,000	67.6	1,150	3.02	3,473
1977	24,000	64.6	1,550	2.62	4,061
1978	88,000	65.9	5,800	2.80	16,240
1979	130,000	60.0	7,800	3.15	24,570
1980	140,000	53.6	7,500	3.40	25,500
1981	225,000	75.6	17,000	2.72	46,240
1982	200,000	50.0	10,000	2.66	26,600
1983	200,000	45.0	9,000	3.51	31,602

Field Peas

Year	Planted Hectares (000)	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value	
				Price Per Tonne $	Total ($000)
1949	4 047	1 345	5 443	71.65	390
1950	4 047	1 412	5 715	75.24	430
1951	6 030	1 548	9 335	91.91	858
1952	7 487	1 679	12 574	82.71	1,040
1953	14 973	1 412	21 147	53.29	1,127
1954	12 140	1 211	14 697	77.16	1,134
1955	16 592	673	11 159	73.48	820
1956	22 500	1 413	31 788	55.12	1,752
1957	22 662	1 009	22 861	55.12	1,260
1958	21 043	942	19 813	73.49	1,456
1959	19 829	807	16 003	69.80	1,117
1960	16 592	1 258	20 875	73.49	1,534
1961	18 899	1 015	19 051	77.16	1,470
1962	12 869	1 057	13 608	80.83	1,100
1963	14 973	1 272	19 051	84.51	1,610
1964	23 876	1 547	36 932	69.80	2,578
1965	17 199	1 494	25 692	66.13	1,699
1966	18 615	1 069	19 895	82.68	1,645
1967	12 140	1 569	19 051	77.16	1,470
1968	13 354	1 076	14 370	74.60	1,072
1969	21 043	970	20 412	68.69	1,402
1970	24 281	1 143	27 760	68.34	1,897
1971	20 517	1 592	32 659	64.30	2,100
1972	18 211	1 494	27 216	69.81	1,900
1973	14 164	1 614	22 861	202.09	4,620
1974	16 187	1 396	22 589	232.24	5,246
1975	14 164	1 441	20 412	165.34	3,375
1976	15 000	1 793	26 900	174.81	4,702
1977	22 000	1 668	36 700	202.32	7,425
1978	25 500	2 030	51 700	150.68	7,790
1979	28 000	1 846	51 700	159.86	8,265
1980	34 000	1 441	49 000	238.78	11,664
1981	40 500	1 950	79 000	249.99	19,749
1982	44 500	1 834	81 600	192.97	15,746
1983	40 500	1 680	68 000	192.00	13,056

Field Peas

Year	Planted Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1949	10,000	20.0	200	1.95	390
1950	10,000	21.0	210	2.05	430
1951	14,900	23.0	343	2.50	858
1952	18,500	25.0	462	2.25	1,040
1953	37,000	21.0	777	1.45	1,127
1954	30,000	18.0	540	2.10	1,134
1955	41,000	10.0	410	2.00	820
1956	55,600	21.0	1,168	1.50	1,752
1957	56,000	15.0	840	1.50	1,260
1958	52,000	14.0	728	2.00	1,456
1959	49,000	12.0	588	1.90	1,117
1960	41,000	18.7	767	2.00	1,534
1961	46,700	15.0	700	2.10	1,470
1962	31,800	15.7	500	2.20	1,100
1963	37,000	18.9	700	2.30	1,610
1964	59,000	23.0	1,357	1.90	2,578
1965	42,500	22.2	944	1.80	1,699
1966	46,000	15.9	731	2.25	1,645
1967	30,000	23.3	700	2.10	1,470
1968	33,000	16.0	528	2.03	1,072
1969	52,000	14.4	750	1.87	1,402
1970	60,000	17.0	1,020	1.86	1,897
1971	50,700	23.7	1,200	1.75	2,100
1972	45,000	22.2	1,000	1.90	1,900
1973	35,000	24.0	840	5.50	4,620
1974	40,000	20.8	830	6.32	5,246
1975	35,000	21.4	750	4.50	3,375
1976	38,000	26.1	990	4.75	4,702
1977	55,000	24.5	1,350	5.50	7,425
1978	63,000	30.2	1,900	4.10	7,790
1979	70,000	27.1	1,900	4.35	8,265
1980	84,000	21.4	1,800	6.48	11,664
1981	100,000	29.0	2,900	6.81	19,749
1982	110,000	27.3	3,000	5.25	15,746
1983	100,000	25.0	2,500	5.22	13,056

Buckwheat

Year	Planted Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1955	14 164	592	8 383	50.58	424
1956	25 009	538	13 456	39.02	525
1957	14 164	699	9 907	34.42	341
1958	12 140	737	8 949	41.35	370
1959	6 070	538	3 266	41.33	135
1960	6 070	839	5 095	45.93	234
1961	5 342	583	3 114	52.67	164
1962	4 047	1 130	4 572	73.49	336
1963	6 070	1 076	6 532	66.60	435
1964	10 522	828	8 709	45.93	400
1965	8 094	538	4 355	48.22	210
1966	9 186	806	7 403	84.97	629
1967	18 211	628	11 431	91.86	1,050
1968	20 234	570	11 540	89.60	1,034
1969	20 234	699	14 152	80.41	1,138
1970	32 374	942	30 482	64.30	1,960
1971	32 374	1 076	34 837	68.89	2,400
1972	30 351	825	25 039	64.30	1,610
1973	26 304	745	19 600	172.19	3,375
1974	16 187	942	15 240	223.23	3,402
1975	10 117	925	9 362	156.16	1,462
1976	18 000	483	8 700	185.75	1,616
1977	32 000	1 022	32 700	206.42	6,750
1978	48 500	1 212	58 800	206.63	12,150
1979	55 000	396	21 800	200.92	4,380
1980	40 000	435	17 400	287.36	5,000
1981	50 600	910	46 000	377.09	17,346
1982	46 500	468	21 800	316.65	6,903
1983	36 400	656	23 900	290.00	6,931

Mustard Seed

Year	Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1967	11 736	785	9 208	119.05	1,096
1968	26 304	948	24 948	110.23	2,750
1969	14 973	909	13 608	74.96	1,020
1970	10 117	942	9 526	80.41	766
1971	4 168	893	3 720	83.78	312
1972	6 070	934	5 670	99.21	562
1973	16 187	897	14 515	154.32	2,240
1974	16 187	840	13 600	408.09	5,550
1975	9 308	707	6 577	275.51	1,812
1976	7 300	890	6 500	248.15	1,613
1977	16 000	1 019	16 300	231.90	3,780
1978	25 000	1 161	29 030	242.51	7,040
1979	10 000	950	9 500	221.05	2,100
1980	17 800	915	16 300	331.29	5,400
1981	18 300	1 040	19 000	382.42	7,266
1982	10 100	1 059	10 700	241.41	2,583
1983	12 100	959	11 600	302.59	3,510

Buckwheat

Year	Planted Acres	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1955	35,000	11.0	385	1.10	424
1956	61,800	10.0	618	0.85	525
1957	35,000	13.0	455	0.75	341
1958	30,000	13.7	411	0.90	370
1959	15,000	10.0	150	0.90	135
1960	15,000	15.6	234	1.00	234
1961	13,200	10.8	143	1.15	164
1962	10,000	21.0	210	1.60	336
1963	15,000	20.0	300	1.45	435
1964	26,000	15.4	400	1.00	400
1965	20,000	10.0	200	1.05	210
1966	22,700	15.0	340	1.85	629
1967	45,000	11.7	525	2.00	1,050
1968	50,000	10.6	530	1.95	1,034
1969	50,000	13.0	650	1.75	1,138
1970	80,000	17.5	1,400	1.40	1,960
1971	80,000	20.0	1,600	1.50	2,400
1972	75,000	15.3	1,150	1.40	1,610
1973	65,000	13.8	900	3.75	3,375
1974	40,000	17.5	700	4.86	3,402
1975	25,000	17.2	430	3.40	1,462
1976	44,000	9.1	400	4.04	1,616
1977	80,000	18.8	1,500	4.50	6,750
1978	120,000	22.5	2,700	4.50	12,150
1979	135,000	7.4	1,000	4.38	4,380
1980	98,000	8.2	800	6.25	5,000
1981	125,000	16.8	2,100	8.26	17,346
1982	115,000	8.7	1,000	6.90	6,903
1983	90,000	12.2	1,100	6.30	6,931

Mustard Seed

Year	Acres	Yield Per Acre (pounds)	Production (000 pounds)	Farm Value Price Per Pound $	Farm Value Total ($000)
1967	29,000	700	20,300	.054	1,096
1968	65,000	846	55,000	.050	2,750
1969	37,000	810	30,000	.034	1,020
1970	25,000	840	21,000	.0365	766
1971	10,300	796	8,200	.038	312
1972	15,000	833	12,500	.045	562
1973	40,000	800	32,000	.070	2,240
1974	40,000	750	30,000	.185	5,550
1975	23,000	630	14,500	.125	1,812
1976	18,000	800	14,400	.112	1,613
1977	40,000	900	36,000	.105	3,780
1978	62,000	1,032	64,000	.110	7,040
1979	25,000	840	21,000	.100	2,100
1980	44,000	818	36,000	.150	5,400
1981	45,000	933	42,000	.173	7,266
1982	25,000	940	23,500	.109	2,583
1983	30,000	850	25,500	.140	3,510

Sunflowers

Year	Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1954	8 498	835	6 759	88.18	596
1955	8 094	911	7 371	92.52	682
1956	13 354	596	7 963	94.81	755
1957	12 140	448	5 443	99.21	540
1958	18 211	482	8 777	114.62	1,006
1959	12 950	538	6 967	88.13	614
1960	11 331	897	10 161	99.20	1,008
1961	12 343	785	9 684	99.24	961
1962	8 296	840	6 967	121.29	845
1963	14 973	1 065	15 944	97.03	1,547
1964	19 425	588	11 431	110.23	1,260
1965	19 425	616	11 975	132.28	1,584
1966	17 442	728	12 700	132.28	1,680
1967	17 806	697	15 967	99.20	1,584
1968	14 973	727	10 886	110.23	1,200
1969	19 425	794	15 422	121.26	1,870
1970	26 304	897	23 587	137.79	3,250
1971	62 725	841	52 731	134.47	7,091
1972	76 889	897	68 947	154.32	10,640
1973	50 585	785	39 690	220.46	8,750
1974	8 500	971	8 255	451.97	3,731
1975	25 090	1 193	29 937	220.46	6,600
1976	20 000	1 200	24 000	220.83	5,300
1977	67 000	1 185	79 400	253.46	20,125
1978	87 000	1 325	115 200	242.53	27,940
1979	154 000	1 355	208 700	242.45	50,600
1980	129 500	1 226	158 800	220.40	35,000
1981	109 300	1 453	158 800	227.00	36,030
1982	71 000	1 230	87 300	197.77	17,325
1983	40 500	1 121	45 400	330.00	14,982

Canola (Rapeseed)

Year	Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1960	13 354	815	10 886	88.19	960
1961	11 857	689	8 165	79.36	648
1962	13 031	1 009	13 154	77.16	1,015
1963	18 211	947	17 237	110.23	1,900
1964	33 993	981	33 340	119.05	3,969
1965	58 679	928	54 432	108.02	5,880
1966	68 796	692	47 628	108.02	5,145
1967	58 679	889	52 164	84.66	4,416
1968	36 826	1 170	43 092	82.89	3,572
1969	79 317	1 001	79 380	105.82	8,400
1970	161 872	1 009	163 296	102.29	16,704
1971	235 119	1 158	272 160	94.80	25,800
1972	190 200	1 014	192 780	136.68	26,350
1973	161 872	1 079	174 636	257.50	44,968
1974	202 300	953	192 800	311.70	60,095
1975	303 500	934	283 500	225.31	63,875
1976	101 000	1 011	102 100	256.51	26,190
1977	202 000	1 437	290 300	278.22	80,768
1978	425 000	1 360	578 300	280.00	161,925
1979	546 300	1 040	567 000	266.75	151,250
1980	324 000	980	294 800	280.00	82,550
1981	243 000	1 260	306 000	274.85	84,105
1982	344 000	1 221	420 000	259.00	108,780
1983	384 000	1 062	408 000	375.00	153,000

Sunflowers

Year	Acres	Yield Per Acre (pounds)	Production (000 pounds)	Farm Value Price Per Pound $	Farm Value Total ($000)
1954	21,000	710	14,900	.040	596
1955	20,000	812	16,250	.042	682
1956	33,000	532	17,556	.043	755
1957	30,000	400	12,000	.045	540
1958	45,000	430	19,350	.052	1,006
1959	32,000	480	15,360	.040	614
1960	28,000	800	22,400	.045	1,008
1961	30,500	700	21,350	.045	961
1962	20,500	749	15,360	.055	845
1963	37,000	950	35,150	.044	1,547
1964	48,000	525	25,200	.050	1,260
1965	48,000	550	26,400	.060	1,584
1966	43,100	650	28,000	.060	1,680
1967	44,000	800	35,200	.045	1,584
1968	37,000	650	24,000	.050	1,200
1969	48,000	708	34,000	.055	1,870
1970	65,000	800	52,000	.0625	3,250
1971	155,000	750	116,250	.061	7,091
1972	190,000	800	152,000	.070	10,640
1973	125,000	700	87,500	.100	8,750
1974	21,000	867	18,200	.205	3,731
1975	62,000	1,065	66,000	.100	6,600
1976	50,000	1,060	53,000	.100	5,300
1977	165,000	1,061	175,000	.115	20,125
1978	215,000	1,182	254,000	.110	27,940
1979	380,000	1,211	460,000	.110	50,600
1980	320,000	1,094	350,000	.100	35,000
1981	270,000	1,296	350,000	.103	36,050
1982	175,000	1,100	192,500	.090	17,325
1983	100,000	1,000	100,000	.150	14,982

Canola (Rapeseed)

Year	Acres	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1960	33,000	14.5	480	2.00	960
1961	29,300	12.3	360	1.80	648
1962	32,200	18.0	580	1.75	1,015
1963	45,000	16.9	760	2.50	1,900
1964	84,000	17.5	1,470	2.70	3,969
1965	145,000	16.6	2,400	2.45	5,880
1966	170,000	12.4	2,100	2.45	5,145
1967	145,000	15.9	2,300	1.92	4,416
1968	91,000	20.9	1,900	1.88	3,572
1969	196,000	17.9	3,500	2.40	8,400
1970	400,000	18.0	7,200	2.32	16,704
1971	581,000	20.7	12,000	2.15	25,800
1972	470,000	18.1	8,500	3.10	26,350
1973	400,000	19.2	7,700	5.84	44,968
1974	500,000	17.0	8,500	7.07	60,095
1975	750,000	16.7	12,500	5.11	63,875
1976	250,000	18.0	4,500	5.82	26,190
1977	500,000	25.6	12,800	6.31	80,768
1978	1,050,000	24.3	25,500	6.35	161,925
1979	1,350,000	18.5	25,000	6.05	151,250
1980	800,000	16.2	13,000	6.35	82,550
1981	600,000	22.5	13,500	6.23	84,105
1982	850,000	21.8	18,500	5.86	108,780
1983	950,000	18.9	18,000	8.50	153,000

Tame Hay

Year	Hectares (000)	Yield Per Hectare (tonnes)	Production (000 tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1949	132	3.63	481	14.65	7,042
1950	160	4.65	743	14.42	10,712
1951	161	3.65	590	13.23	7,800
1952	169	3.47	586	14.33	8,398
1953	182	4.71	857	11.02	9,450
1954	219	4.77	1 043	11.02	11,500
1955	236	4.48	1 058	11.57	12,243
1956	257	4.48	1 150	11.02	12,680
1957	292	3.97	1 157	11.02	12,750
1958	320	2.89	924	15.16	14,011
1959	338	3.95	1 332	16.54	22,020
1960	378	3.85	1 457	14.22	20,717
1961	406	2.02	820	19.29	15,820
1962	423	4.48	1 896	15.43	29,260
1963	413	4.10	1 694	16.53	28,005
1964	401	3.32	1 329	17.64	23,440
1965	388	3.81	1 481	18.19	26,928
1966	431	4.42	1 903	18.19	34,617
1967	426	3.41	1 452	19.29	28,000
1968	380	3.82	1 452	20.39	29,600
1969	405	3.87	1 724	18.19	31,350
1970	469	4.31	2 023	16.53	33,450
1971	439	4.34	1 905	18.19	34,650
1972	486	3.74	1 814	22.05	40,000
1973	486	4.11	1 996	33.07	66,000
1974	506	4.30	2 177	38.58	84,000
1975	506	4.30	2 268	40.78	92,500
1976	567	4.16	2 359	41.33	97,968
1977	567	4.16	2 359	41.53	97,500
1978	567	4.64	2 631	40.67	107,010
1979	546	4.32	2 359	50.00	117,936
1980	526	2.59	1 361	69.99	95,250
1981	506	4.48	2 268	60.00	136,075
1982	506	4.48	2 268	54.81	124,300
1983	526	4.14	2 177	54.85	119,411

Tame Hay

Year	Acres (000)	Yield Per Acre (tons)	Production (000 tons)	Farm Value Price Per Ton $	Farm Value Total ($000)
1949	327	1.62	530	13.29	7,042
1950	395	2.07	819	13.08	10,712
1951	399	1.63	650	12.00	7,800
1952	417	1.55	646	13.00	8,398
1953	450	2.10	945	10.00	9,450
1954	540	2.13	1,150	10.00	11,500
1955	583	2.00	1,166	10.50	12,243
1956	634	2.00	1,268	10.00	12,680
1957	722	1.77	1,275	10.00	12,750
1958	790	1.29	1,019	13.75	14,011
1959	834	1.76	1,468	15.00	22,020
1960	934	1.72	1,606	12.90	20,717
1961	1,004	0.90	904	17.50	15,820
1962	1,045	2.00	2,090	14.00	29,260
1963	1,020	1.83	1,867	15.00	28,005
1964	990	1.48	1,465	16.00	23,440
1965	960	1.70	1,632	16.50	26,928
1966	1,065	1.97	2,098	16.50	34,617
1967	1,052	1.52	1,600	17.50	28,000
1968	940	1.70	1,600	18.50	29,600
1969	1,000	1.90	1,900	16.50	31,350
1970	1,160	1.92	2,230	15.00	33,450
1971	1,084	1.94	2,100	16.50	34,650
1972	1,200	1.67	2,000	20.00	40,000
1973	1,200	1.83	2,200	30.00	66,000
1974	1,250	1.92	2,400	35.00	84,000
1975	1,250	2.00	2,500	37.00	92,500
1976	1,400	1.86	2,600	37.68	97,968
1977	1,400	1.86	2,600	37.50	97,500
1978	1,400	2.07	2,900	36.90	107,010
1979	1,350	1.93	2,600	45.36	117,936
1980	1,300	1.15	1,500	63.50	95,250
1981	1,250	2.00	2,500	54.43	136,075
1982	1,250	2.00	2,500	49.72	124,300
1983	1,300	1.85	2,400	49.76	119,411

Silage Corn

Year	Planted Hectares	Yield Per Hectare (tonnes)	Production (000 tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1949	6 880	10.68	73	8.88	648
1950	6 880	11.08	76	8.84	672
1951	6 470	7.85	51	8.86	452
1952	8 500	11.31	96	7.73	742
1953	7 690	10.85	83	6.65	552
1954	6 470	10.66	69	6.61	456
1955	6 470	13.18	85	6.64	564
1956	7 690	11.56	89	6.61	588
1957	7 280	11.22	82	6.59	540
1958	9 710	10.28	100	8.25	825
1959	11 330	11.69	132	7.74	1,022
1960	10 930	11.87	130	7.70	1,001
1961	12 550	9.04	113	10.51	1,188
1962	15 380	15.34	236	7.71	1,820
1963	15 380	17.75	273	7.74	2,114
1964	19 830	11.21	222	6.62	1,470
1965	17 810	13.36	238	7.71	1,834
1966	14 970	13.82	207	7.71	1,596
1967	10 520	12.07	127	7.72	980
1968	12 140	12.55	152	7.74	1,176
1969	9 310	15.30	142	7.74	1,099
1970	8 090	13.46	109	7.71	840
1971	4 050	15.68	64	7.66	490
1972	8 900	16.31	145	11.03	1,600
1973	9 712	15.44	150	13.20	1,980
1974	11 331	16.81	191	15.39	2,940
1975	13 355	19.70	263	16.54	4,350
1976	13 000	19.54	254	16.54	4,200
1977	16 000	19.88	318	16.54	5,250
1978	17 000	21.35	363	18.73	6,800
1979	18 000	18 14	327	16.48	5,389
1980	30 000	12.70	381	28.00	10,668
1981	20 200	17.52	354	19.99	7,078
1982	31 200	15.40	481	18.31	8,809
1983	20 200	15.25	308	20.90	6,437

Silage Corn

Year	Planted Acres (000)	Yield Per Acre (tons)	Production (000 tons)	Farm Value Price Per Ton $	Farm Value Total ($000)
1949	17	4.80	81	8.00	648
1950	17	5.00	84	8.00	672
1951	16	3.60	56	8.00	452
1952	21	5.00	106	7.00	742
1953	19	5.00	92	6.00	552
1954	16	4.80	76	6.00	456
1955	16	6.00	94	6.00	564
1956	19	5.10	98	6.00	588
1957	18	5.00	90	6.00	540
1958	24	4.62	110	7.50	825
1959	28	5.21	146	7.00	1,022
1960	27	5.32	143	7.00	1,001
1961	31	4.00	125	9.50	1,188
1962	38	6.75	260	7.00	1,820
1963	38	7.99	302	7.00	2,114
1964	49	5.00	245	6.00	1,470
1965	44	5.95	262	7.00	1,834
1966	37	6.15	228	7.00	1,596
1967	26	5.38	140	7.00	980
1968	30	5.69	168	7.00	1,176
1969	23	6.84	157	7.00	1,099
1970	20	6.00	120	7.00	840
1971	10	7.22	70	7.00	490
1972	22	7.27	160	10.00	1,600
1973	24	6.88	165	12.00	1,980
1974	28	7.50	210	14.00	2,940
1975	33	8.79	290	15.00	4,350
1976	33	8.48	280	15.00	4,200
1977	39	8.97	350	15.00	5,250
1978	42	9.52	400	17.00	6,800
1979	45	8.00	360	14.97	5,389
1980	75	5.60	420	25.40	10.668
1981	50	7.80	390	18.15	7,078
1982	77	6.88	530	16.62	8,809
1983	50	6.80	340	18.93	6,437

Sugar Beets

Year	Harvested Hectares	Yield Per Hectare (tonnes)	Production (tonnes)	Factory Value* Price Per Tonne $	Factory Value* Total ($000)
1949	6 298	18.26	115 019	15.78	1,815
1950	8 174	16.62	135 887	16.78	2,280
1951	7 719	20.96	161 771	15.78	2,552
1952	6 634	16.98	112 665	15.91	1,792
1953	7 064	20.83	147 112	13.46	1,980
1954	9 514	22.60	215 016	13.18	2,835
1955	8 399	22.25	186 861	14.53	2,715
1956	9 230	22.50	207 673	18.56	3,855
1957	8 668	22.91	198 579	13.81	2,743
1958	8 885	20.02	177 912	18.17	3,232
1959	7 092	24.54	174 065	13.15	2,289
1960	10 145	23.11	234 468	15.14	3,549
1961	8 555	19.95	170 643	14.24	2,430
1962	8 727	20.45	178 476	22.28	3,976
1963	11 381	27.71	315 419	18.37	5,794
1964	12 068	21.40	258 290	15.62	4,034
1965	10 488	22.69	237 934	18.92	4,501
1966	9 326	23.79	221 840	18.51	4,106
1967	10 885	18.90	205 691	19.62	4,036
1968	11 768	23.01	270 725	17.62	4,769
1969	12 789	24.34	311 284	19.07	5,936
1970	9 317	21.05	196 084	18.87	3,700
1971	12 495	26.36	329 326	21.03	6,926
1972	11 371	26.39	300 110	24.33	7,301
1973	9 983	27.95	279 035	35.13	9,803
1974	10 898	18.44	200 935	56.14	11,281
1975	12 915	27.83	359 424	39.99	14,373
1976	12 537	27.91	349 919	34.06	11,918
1977	10 235	39.09	400 098	31.30	12,523
1978	9 575	38.93	372 800	38.17	14,230
1979	8 944	27.97	250 187	77.80	19,465
1980	9 814	23.85	234 779	56.04	13,056
1981	11 229	36.20	406 442	41.33	16,798
1982	11 234	33.14	372 271	41.91	15,602
1983	11 200	27.30	306 210	34.30**	10,503

* Includes deficiency payments starting in 1958.
** Part payment only.

Sugar Beets

Year	Harvested Acres	Yield Per Acre (tons)	Production (tons)	Factory Value* Price Per Ton $	Factory Value* Total ($000)
1949	15,562	8.15	126,785	14.32	1,815
1950	20,198	7.42	149,787	15.22	2,280
1951	19,074	9.35	178,319	14.31	2,552
1952	16,392	7.58	124,190	14.43	1,792
1953	17,455	9.29	162,161	12.21	1,980
1954	23,510	10.08	237,011	11.96	2,835
1955	20,755	9.92	205,976	13.18	2,715
1956	22,808	10.04	228,917	16.84	3,855
1957	21,419	10.22	218,892	12.53	2,743
1958	21,955	8.93	196,111	16.48	3,232
1959	17,525	10.95	191,874	11.93	2,289
1960	25,068	10.31	258,452	13.73	3,549
1961	21,141	8.90	188,099	12.92	2,430
1962	21,565	9.12	196,733	20.21	3,976
1963	28,123	12.36	347,690	16.66	5,794
1964	29,820	9.55	284,711	14.17	4,034
1965	25,917	10.12	262,273	17.16	4,501
1966	23,045	10.61	244,533	16.79	4,106
1967	26,898	8.43	226,732	17.80	4,036
1968	29,079	10.26	298,419	15.98	4,769
1969	31,602	11.05	349,202	17.30	5,936
1970	23,022	9.39	216,142	17.12	3,700
1971	30,876	11.76	363,014	19.08	6,926
1972	28,098	11.77	330,815	22.07	7,301
1973	24,670	12.47	307,583	31.87	9,803
1974	26,931	8.23	221,493	50.93	11,281
1975	31,913	12.41	396,040	36.28	14,373
1976	30,980	12.45	385,720	30.90	11,918
1977	25,292	17.44	441,032	28.39	12,523
1978	23,659	17.37	410,937	34.63	14,230
1979	22,100	12.48	275,781	70.58	19,465
1980	24,326	10.63	258,806	50.45	13,056
1981	27,747	16.15	448,021	37.49	16,798
1982	27,759	14.78	410,354	38.02	15,602
1983	27,781	12.15	337,539	31.11**	10,503

* Includes deficiency payments starting in 1958.
** Part payment only.

Potatoes

Year	Planted Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1949	7 446	7 621	56 745	43.35	2,460
1950	8 053	9 551	76 912	33.06	2,543
1951	6 394	9 552	61 073	54.38	3,321
1952	6 192	10 694	66 217	58.79	3,893
1953	7 001	11 433	80 042	23.15	1,853
1954	6 353	9 082	57 698	44.82	2,586
1955	6 111	9 076	55 466	47.76	2,649
1956	6 677	12 440	83 063	33.07	2,747
1957	6 192	7 736	47 900	62.46	2,992
1958	6 313	8 609	54 350	40.79	2,217
1959	6 273	7 731	48 499	33.07	1,604
1960	6 880	10 087	69 401	17.64	1,224
1961	8 215	4 237	34 809	35.28	1,228
1962	9 308	12 778	118 934	17.64	2,098
1963	8 013	11 769	94 303	29.39	2,772
1964	8 417	13 451	113 219	66.14	7,488
1965	9 065	13 114	118 879	32.34	3,844
1966	9 915	14 007	138 883	35.35	4,909
1967	10 724	12 265	131 535	33.45	4,400
1968	10 724	12 689	136 080	32.70	4,450
1969	11 736	14 686	172 359	42.34	7,297
1970	13 354	12 569	167 841	40.57	6,810
1971	13 233	14 053	185 967	38.93	7,240
1972	8 903	12 738	113 409	67.72	7,680
1973	12 140	16 439	199 575	46.39	9,258
1974	14 164	15 692	222 260	57.94	12,878
1975	12 350	15 760	204 100	85.74	17,500
1976	14 000	14 579	204 100	69.08	14,100
1977	15 000	16 633	249 500	86.07	21,475
1978	15 000	20 560	308 400	79.64	24,560
1979	15 000	18 827	282 400	79.64	22,490
1980	16 000	17 862	285 800	117.28	33,520
1981	16 600	18 775	311 660	115.96	36,140
1982	16 000	16 500	263 400	115.79	30,500
1983	16 000	16 100	258 000	104.97	27,082

Potatoes

Year	Planted Acres	Yield Per Acre (cwt)	Production (000 cwt)	Farm Value	
				Price Per cwt $	Total ($000)
1949	18,400	68.0	1,251	1.97	2,460
1950	19,900	85.2	1,696	1.50	2,543
1951	15,800	85.2	1,346	2.47	3,321
1952	15,300	95.4	1,460	2.67	3,893
1953	17,300	102.0	1,765	1.05	1,853
1954	15,700	81.0	1,272	2.03	2,586
1955	15,100	81.0	1,223	2.17	2,649
1956	16,500	111.0	1,831	1.50	2,747
1957	15,300	69.0	1,056	2.83	2,992
1958	15,600	76.8	1,198	1.85	2,217
1959	15,500	69.0	1,069	1.50	1,604
1960	17,000	90.0	1,530	0.80	1,224
1961	20,300	37.8	767	1.60	1,228
1962	23,000	114.0	2,622	0.80	2,098
1963	19,800	105.0	2,079	1.33	2,772
1964	20,800	120.0	2,496	3.00	7,488
1965	22,400	117.0	2,621	1.47	3,844
1966	24,500	125.0	3,062	1.60	4,909
1967	26,500	109.4	2,900	1.52	4,400
1968	26,500	113.2	3,000	1.48	4,450
1969	29,000	131.0	3,800	1.92	7,297
1970	33,000	112.1	3,700	1.84	6,810
1971	32,700	125.4	4,100	1.77	7,240
1972	22,000	113.6	2,500	3.07	7,680
1973	30,000	146.7	4,400	2.10	9,258
1974	35,000	140.0	4,900	2.63	12,878
1975	32,000	140.6	4,500	3.89	17,500
1976	34,500	130.4	4,500	3.13	14,100
1977	37,000	148.6	5,500	3.90	21,475
1978	37,000	183.8	6,800	3.61	24,560
1979	37,000	168.3	6,226	3.61	22,490
1980	39,500	159.5	6,300	5.32	33,520
1981	40,900	168.7	6,900	5.24	36,140
1982	39,500	147.0	5,807	5.25	30,500
1983	39,500	144.0	5,701	4.75	27,082

Crop Marketings

Crop Year	Wheat	Oats	Barley	Flax	Canola (Rapeseed)
			— tonnes —		
1948-49	1 077 618	322 505	517 631	207 026	NA
1949-50	1 253 841	294 406	459 955	21 211	NA
1950-51	1 153 632	483 295	820 668	62 108	NA
1951-52	1 225 074	386 491	813 330	89 161	NA
1952-53	1 251 854	385 889	968 507	89 593	NA
1953-54	982 824	272 260	660 702	77 959	NA
1954-55	680 019	217 095	752 105	83 369	NA
1955-56	888 412	191 079	495 510	102 853	NA
1956-57	1 072 446	335 506	527 647	172 886	2 600
1957-58	1 133 329	298 601	427 034	73 615	4 100
1958-59	1 282 881	220 797	520 005	91 574	4 600
1959-60	1 317 799	112 365	388 757	84 893	5 000
1960-61	1 289 875	166 080	332 278	130 668	9 600
1961-62	887 949	81 767	178 691	83 420	7 800
1962-63	1 693 706	494 614	272 817	168 009	11 600
1963-64	1 379 000	222 100	186 400	202 400	14 700
1964-65	1 859 400	265 100	190 100	230 100	26 900
1965-66	1 876 700	338 600	285 200	355 400	45 500
1966-67	1 780 500	212 600	312 800	232 200	39 000
1967-68	1 762 300	238 400	269 500	120 400	41 300
1968-69	1 626 000	316 200	241 900	214 200	37 000
1969-70	1 419 800	150 300	588 000	210 700	63 800
1970-71	1 017 800	208 800	633 200	236 900	137 800
1971-72	1 556 800	190 000	1 192 800	116 700	194 800
1972-73	1 768 800	218 300	1 116 900	122 500	191 100
1973-74	1 669 600	216 800	1 002 900	156 400	145 200
1974-75	1 352 400	193 300	704 700	127 700	142 900
1975-76	1 744 300	256 000	631 600	193 300	207 600
1976-77	1 918 500	259 800	974 100	122 300	128 100
1977-78	2 517 500	283 400	1 164 700	262 800	257 000
1978-79	1 913 800	115 800	1 039 200	234 000	472 500
1979-80	2 448 000	38 600	920 500	367 900	471 800
1980-81	1 902 700	42 600	944 100	213 100	274 000
1981-82	2 811 300	84 700	1 354 200	201 900	312 800
1982-83	3 468 800	73 700	1 361 700	310 700	357 900

Crop Marketings

Crop Year	Wheat	Oats	Barley	Flax	Canola (Rapeseed)
			— thousand bushels —		
1948-49	39,595	20,912	23,774	8,150	NA
1949-50	46,070	19,090	21,125	835	NA
1950-51	42,388	31,338	37,692	2,445	NA
1951-52	45,013	25,061	37,355	3,510	NA
1952-53	45,997	25,022	44,482	3,527	NA
1953-54	36,112	17,654	30,345	3,069	NA
1954-55	24,986	14,077	34,543	3,282	NA
1955-56	32,543	12,390	22,758	4,049	NA
1956-57	39,405	21,755	24,234	6,806	116
1957-58	41,642	19,362	19,613	2,898	182
1958-59	47,137	14,317	23,883	3,605	204
1959-60	48,420	7,286	17,855	3,342	220
1960-61	47,394	10,769	15,261	5,144	425
1961-62	32,626	5,302	8,207	3,284	342
1962-63	62,232	32,072	12,576	6,614	511
1963-64	50,669	14,399	8,559	7,968	647
1964-65	68,323	17,191	8,730	9,059	1,188
1965-66	68,958	21,953	13,097	13,991	2,006
1966-67	65,421	13,785	14,369	9,142	1,720
1967-68	64,755	15,460	13,616	4,738	1,820
1968-69	59,744	20,506	11,110	8,431	1,682
1969-70	52,167	9 744	27,008	8,295	2,815
1970-71	37,396	13,542	29,083	9,327	5,078
1971-72	57,203	12,906	54,783	4,593	8,588
1972-73	64,992	14,152	51,297	4,823	8,426
1973-74	61,349	14,057	46,065	6,158	6,402
1974-75	49,693	12,535	32,368	5,028	6,300
1975-76	64,091	16,598	29,007	7,609	9,152
1976-77	70,494	16,843	44,738	4,814	5,647
1977-78	92,502	18,376	53,494	10,346	11,332
1978-79	70,320	7,509	47,730	9,212	20,834
1979-80	89,949	2,503	42,278	14,484	20,803
1980-81	69,912	2,762	45,659	8,389	12,081
1981-82	103,298	5,492	62,198	7,948	13,792
1982-83	127,457	4,779	62,542	12,232	15,781

Grain Stocks on Farm

Year	Wheat	Oats	Barley	Flax
		— tonnes, July 31 —		
1949	81 648	77 110	65 319	762
1950	27 216	61 688	43 546	762
1951	27 216	107 954	65 319	1 143
1952	27 216	61 688	43 546	8 891
1953	108 864	131 087	87 092	16 511
1954	217 728	154 220	348 368	17 781
1955	81 648	77 110	174 184	17 781
1956	108 864	123 376	87 092	2 540
1957	326 592	539 770	195 957	3 810
1958	244 944	385 550	130 638	2 540
1959	217 728	262 174	239 503	5 080
1960	244 944	277 596	304 822	2 540
1961	353 808	323 862	239 503	5 080
1962	54 432	77 110	43 546	5 080
1963	163 296	200 486	65 319	2 540
1964	81 648	154 220	65 319	3 810
1965	190 512	246 752	43 546	2 540
1966	136 080	185 064	43 546	7 621
1967	190 512	123 376	65 319	2 540
1968	571 536	138 798	195 957	1 524
1969	1 088 640	385 550	435 460	5 080
1970	1 088 640	462 660	195 957	5 080
1971	517 104	138 798	108 865	20 322
1972	707 616	215 908	217 730	25 402
1973	136 080	123 376	174 180	2 540
1974	136 080	107 950	174 180	7 620
1975	54 431	61 688	65 317	15 240
1976	81 646	92 533	108 900	10 160
1977	571 500	154 200	87 100	12 700
1978	490 000	185 000	435 000	38 000
1979	1 115 800	123 400	544 300	66 000
1980	326 600	46 300	130 600	76 200
1981	55 000	30 000	65 000	13 000
1982	270 000	60 000	200 000	10 000
1983	110 000	110 000	375 000	45 000

Grain Stocks on Farm

Year	Wheat	Oats	Barley	Flax
		— thousand bushels, July 31 —		
1949	3,000	5,000	3,000	30
1950	1,000	4,000	2,000	30
1951	1,000	7,000	3,000	45
1952	1,000	4,000	2,000	350
1953	4,000	8,500	4,000	650
1954	8,000	10,000	16,000	700
1955	3,000	5,000	8,000	700
1956	4,000	8,000	4,000	100
1957	12,000	35,000	9,000	150
1958	9,000	25,000	5,000	100
1959	8,000	17,000	11,000	200
1960	9,000	18,000	14,000	100
1961	13,000	21,000	11,000	200
1962	2,000	5,000	2,000	200
1963	6,000	13,000	3,000	100
1964	3,000	10,000	3,000	150
1965	7,000	16,000	2,000	100
1966	5,000	12,000	2,000	300
1967	7,000	8,000	3,000	100
1968	21,000	9,000	9,000	60
1969	40,000	25,000	20,000	200
1970	40,000	30,000	9,000	200
1971	19,000	9,000	5,000	800
1972	26,000	14,000	10,000	1,000
1973	5,000	8,000	8,000	100
1974	5,000	7,000	8,000	300
1975	2,000	4,000	3,000	600
1976	3,000	6,000	5,000	400
1977	21,000	10,000	4,000	500
1978	18,000	12,000	20,000	1,500
1979	41,000	8,000	25,000	2,600
1980	12,000	3,000	6,000	3,000
1981	2,021	1,945	2,985	512
1982	9,921	3,891	9,186	394
1983	4,042	7,133	17,224	1,772

Horticultural Crops, Forage Seeds

Year	— PRODUCTION VALUE —			
	Potatoes	Vegetables, Fruits Ornamentals	Total Horticulture	Forage Seeds
	— thousand dollars —			
1949	2,460	5,043	7,503	2,084
1950	2,543	4,730	7,273	1,655
1951	3,321	4,725	8,046	1,847
1952	3,893	5,190	9,083	624
1953	1,853	5,190	7,043	827
1954	2,586	7,680	10,266	1,759
1955	2,649	6,595	9,244	914
1956	2,747	7,315	10,062	1,271
1957	2,992	8,150	11,142	825
1958	2,217	9,000	11,217	682
1959	1,604	9,000	10,604	1,248
1960	1,224	9,200	10,424	1,086
1961	1,228	9,090	10,318	1,254
1962	2,098	9,330	11,428	2,105
1963	2,772	10,125	12,897	1,503
1964	7,488	9,144	16,632	1,259
1965	3,844	8,861	12,705	2,162
1966	4,909	9,078	13,987	1,762
1967	4,400	10,055	14,455	1,238
1968	4,450	9,310	13,760	571
1969	7,297	9,669	16,966	1,524
1970	6,810	9,713	16,523	1,701
1971	7,240	10,632	17,872	1,684
1972	7,680	11,280	18,960	1,542
1973	9,258	11,375	20,633	5,199
1974	12,878	16,614	29,492	2,625
1975	17,500	17,468	34,968	2,031
1976	14,100	19,153	33,253	3,050
1977	21,475	18,252	39,727	3,828
1978	24,560	20,285	44,845	7,488
1979	22,490	21,786	44,276	8,312
1980	29,280	25,077	54,357	4,902
1981	36,140	26,561	62,701	6,681
1982	30,500	29,155	59,655	5,025
1983	27,082	27,187	54,269	7,371

LIVESTOCK

Year	Value of Livestock Production					
	Cattle	Hogs	Sheep	Dairy	Poultry	Total
			— thousand dollars —			
1949	35,380	18,090	889	26,638	17,751	98,748
1950	37,130	15,048	789	23,376	15,967	92,310
1951	55,854	24,402	856	27,042	21,474	129,628
1952	41,040	20,592	725	26,722	20,636	109,715
1953	29,892	14,214	615	28,289	22,600	95,610
1954	30,393	18,768	549	28,748	22,955	101,413
1955	34,860	18,392	556	29,689	22,538	106,035
1956	32,384	16,560	510	29,641	24,175	103,270
1957	35,350	20,915	577	29,473	23,000	109,315
1958	51,552	30,143	608	32,307	25,362	139,972
1959	49,764	24,465	559	31,430	23,187	129,705
1960	50,142	17,820	614	30,959	22,031	121,566
1961	51,816	25,662	701	30,952	23,393	132,524
1962	53,048	19,614	609	30,962	21,907	126,140
1963	56,518	23,688	628	30,730	23,860	135,424
1964	54,120	25,740	629	29,986	23,856	134,331
1965	54,929	29,760	552	30,425	26,843	142,509
1966	66,341	38,324	500	29,999	30,179	165,343
1967	66,220	37,048	455	32,699	25,975	162,397
1968	64,944	35,010	400	33,775	28,522	162,651
1969	85,188	58,862	290	32,797	33,271	210,408
1970	92,303	63,826	183	32,063	33,294	221,669
1971	98,978	46,892	391	32,119	27,277	205,657
1972	112,880	71,940	470	35,980	31,879	253,149
1973	155,880	106,190	604	41,731	50,535	354,940
1974	147,840	79,402	621	57,592	52,902	338,357
1975	122,208	89,610	546	66,796	46,413	325,573
1976	113,004	87,591	415	70,360	58,455	329,825
1977	129,168	85,002	416	71,455	58,723	344,764
1978	180,780	110,000	596	67,780	61,437	420,593
1979	258,060	131,075	696	73,176	73,186	536,193
1980	248,880	118,064	871	85,496	80,171	533,482
1981	191,265	138,208	762	96,938	96,663	523,836
1982	188,692	170,408	941	106,036	103,579	569,656
1983	203,148	166,750	916	108,734	103,845	583,393

Cattle Production

Year	Commercial Marketings	Local Slaughterings	Inventory Change	Inshipments (minus)	Total	Value Per Animal $	Total Value ($000)
		— thousand animals —					
1949	293	37	−32	8	290	122	35,380
1950	261	24	−43	7	235	158	37,130
1951	214	22	+40	15	261	214	55,854
1952	209	21	+64	9	285	144	41,040
1953	257	16	+20	11	282	106	29,892
1954	281	25	+13	12	307	99	30,393
1955	268	22	+54	12	332	105	34,860
1956	292	26	+41	7	352	92	32,384
1957	346	32	−22	6	350	101	35,350
1958	356	26	−12	12	358	144	51,552
1959	300	23	+45	20	348	143	49,764
1960	317	22	+53	26	366	137	50,142
1961	402	26	−16	31	381	136	51,816
1962	313	23	+73	60	349	152	53,048
1963	347	24	+66	70	367	154	56,518
1964	399	24	+49	62	410	132	54,120
1965	528	28	−62	81	413	133	54,929
1966	508	28	−42	87	407	163	66,341
1967	500	28	−52	91	385	172	66,220
1968	468	28	−57	70	369	176	64,944
1969	392	27	+84	131	372	229	85,188
1970	416	26	+45	104	383	241	92,303
1971	417	26	+28	62	409	242	98,978
1972	432	26	+42	85	415	272	112,880
1973	429	28	+73	97	433	360	155,880
1974	398	26	+71	47	448	330	147,840
1975	512	34	−38	52	456	268	122,208
1976	567	31	−40	120	438	258	113,004
1977	639	26	−58	139	468	276	129,168
1978	523	23	−91	62	393	460	180,780
1979	444	21	−43	31	391	660	258,060
1980	444	22	−7	51	408	610	248,880
1981	367	20	−30	46	311	615	191,265
1982	435	15	−80	48	322	586	188,692
1983	378	20	−20	36	342	594	203,148

Cattle Commercial Marketings From Manitoba

Year	Under 1 Year		1 Year and Over		Total		
	Animals (000)	Value ($000)	Animals (000)	Value ($000)	Animals (000)	Value Each $	Value ($000)
1949	91	4,312	202	31,297	293	122	35,609
1950	86	5,425	175	35,851	261	158	41,276
1951	64	5,616	150	40,083	214	214	45,699
1952	63	3,541	146	26,653	209	144	30,194
1953	82	3,858	175	23,261	257	106	27,119
1954	88	3,785	193	23,994	281	99	27,779
1955	82	3,832	186	24,362	268	105	28,194
1956	89	3,810	203	23,114	292	92	26,924
1957	98	4,306	248	30,533	346	101	34,839
1958	101	7,845	255	43,410	356	144	51,255
1959	89	6,675	211	36,162	300	143	42,837
1960	87	6,197	230	37,387	317	137	43,584
1961	111	8,721	291	46,143	402	136	54,864
1962	93	7,921	220	39,778	313	152	47,699
1963	90	6,776	257	46,581	347	154	53,357
1964	109	6,016	290	46,649	399	132	52,665
1965	165	11,068	363	59,234	528	133	70,302
1966	156	13,081	352	69,811	508	163	82,892
1967	165	15,135	335	70,886	500	172	86,021
1968	147	13,065	321	69,510	468	176	82,575
1969	94	10,682	298	79,123	392	229	89,805
1970	97	13,738	319	86,454	416	241	100,192
1971	109	15,674	308	85,169	417	242	100,843
1972	108	16,621	324	100,766	432	272	117,387
1973	105	24,044	324	130,370	429	360	154,414
1974	73	11,460	325	119,880	398	330	131,340
1975	91	9,874	421	127,342	512	268	137,216
1976	102	11,901	465	134,385	567	258	146,286
1977	122	15,494	517	160,870	639	276	176,364
1978	76	20,748	447	219,832	523	460	240,580
1979	73	32,131	371	260,909	444	660	293,040
1980	70	25,054	374	245,786	444	610	270,840
1981	47	14,095	320	211,610	367	615	225,705
1982	68	21,796	367	233,114	435	586	254,910
1983	72	35,576	306	188,956	378	594	224,532

Hog Production

Year	Commercial Marketings	Local Slaughterings	Inventory Change	Total	Value Per Animal $	Total Value ($000)
	— thousand animals —					
1949	260	90	+52	402	45	18,090
1950	266	104	−28	342	44	15,048
1951	292	108	+98	498	49	24,402
1952	453	87	−12	528	39	20,592
1953	321	69	−81	309	46	14,214
1954	336	70	−15	391	48	18,768
1955	434	84	−34	484	38	18,392
1956	388	70	−44	414	40	16,560
1957	332	64	+49	445	47	20,915
1958	464	54	+183	701	43	30,143
1959	654	87	−42	699	35	24,465
1960	506	76	−87	495	36	17,820
1961	519	66	+26	611	42	25,662
1962	467	60	−60	467	42	19,614
1963	437	50	+77	564	42	23,688
1964	582	52	+26	660	39	25,740
1965	579	49	−8	620	48	29,760
1966	595	47	+95	737	52	38,324
1967	766	56	+20	842	44	37,048
1968	751	53	−26	778	45	35,010
1969	778	50	+225	1,053	54	56,862
1970	1,093	50	+215	1,358	47	63,826
1971	1,352	57	−175	1,234	38	46,892
1972	1,238	50	+20	1,308	55	71,940
1973	1,277	55	−37	1,295	82	106,190
1974	1,270	53	−250	1,073	74	79,402
1975	886	52	−68	870	103	89,610
1976	835	46	+22	903	97	87,591
1977	852	37	+25	914	93	85,002
1978	895	40	+65	1,000	110	110,000
1979	1,084	36	+105	1,225	107	131,075
1980	1,250	30	−24	1,256	94	118,064
1981	1,220	23	−9	1,234	112	138,208
1982	1,229	24	0	1,253	136	170,408
1983	1,358	20	72	1,450	115	166,750

Commercial Hog Marketings From Manitoba

Year	Animals (000)	Value Each $	Total Value ($000)
1949	260	45	11,700
1950	266	44	11,704
1951	292	49	14,308
1952	453	39	17,667
1953	321	46	14,766
1954	336	48	16,128
1955	434	38	16,492
1956	388	40	15,520
1957	332	47	15,604
1958	464	43	19,952
1959	654	35	22,890
1960	506	36	18,216
1961	519	42	21,798
1962	467	42	19,614
1963	437	42	18,354
1964	582	39	22,698
1965	579	48	27,792
1966	595	52	30,940
1967	766	44	33,704
1968	751	45	33,795
1969	778	54	42,012
1970	1,093	47	51,371
1971	1,352	38	51,376
1972	1,238	55	68,090
1973	1,277	82	104,714
1974	1,270	74	93,980
1975	886	103	91,258
1976	835	97	80,995
1977	852	93	79,236
1978	895	110	98,450
1979	1,084	107	115,988
1980	1,250	94	117,500
1981	1,220	112	136,640
1982	1,229	136	167,144
1983	1,358	115	156,170

Sheep Production

Year	Sheep and Lamb Marketings		Wool			
	Animals (000)	Value ($000)	Kilograms Shorn (000)	Pounds Shorn (000)	Value ($000)	Total Value ($000)
1949	45	802	147	323	87	889
1950	31	646	120	265	143	789
1951	27	705	106	233	151	856
1952	32	634	117	259	91	725
1953	33	525	117	258	90	615
1954	34	462	120	264	87	549
1955	37	480	111	244	76	556
1956	33	425	117	259	85	510
1957	34	496	102	224	81	577
1958	34	507	115	254	101	608
1959	32	455	114	252	104	559
1960	37	502	112	247	112	614
1961	42	561	128	283	140	701
1962	36	492	116	256	117	609
1963	34	516	107	236	112	628
1964	33	528	96	211	101	629
1965	28	439	85	188	113	552
1966	24	422	74	163	78	500
1967	23	384	74	163	71	455
1968	16	337	62	137	63	400
1969	10	240	58	128	50	290
1970	6	126	68	149	57	183
1971	17	357	68	150	34	391
1972	19	437	60	132	33	470
1973	18	507	63	138	97	604
1974	18	569	65	142	52	621
1975	15	520	44	98	26	546
1976	11	374	49	108	41	415
1977	10	388	34	75	28	416
1978	11	570	27	60	26	596
1979	13	655	29	61	41	696
1980	17	806	45	100	65	871
1981	18	700	45	99	62	762
1982	22	883	61	135	58	941
1983	20	874	45	100	42	916

Dairy Production

Year	Milk Production		Factory Products		
	Whole Milk or Equivalent (million kg)	Total Farm Value ($000)	Creamery Butter (000 kg)	Cheddar Cheese (000 kg)	Ice Cream (000 litres)
1949	478	26,638	11 076	826	7 501
1950	446	23,376	10 216	650	6 801
1951	443	27,042	10 105	658	7 815
1952	457	26,722	10 682	642	8 328
1953	480	28,289	11 336	544	8 101
1954	488	28,746	11 345	557	7 755
1955	501	39,689	11 348	473	8 110
1956	489	29,641	10 596	485	7 569
1957	484	29,473	10 683	573	7 683
1958	511	32,307	12 092	314	7 965
1959	496	31,430	11 626	175	8 587
1960	485	30,959	11 239	221	9 547
1961	482	30,952	11 466	250	10 342
1962	484	30,962	11 614	286	10 760
1963	476	30,730	11 295	371	12 297
1964	459	29,986	10 688	428	13 333
1965	433	30,425	9 891	519	13 397
1966	401	29,999	8 559	654	13 220
1967	386	32,699	7 743	961	14 365
1968	390	33,775	8 009	909	14 356
1969	386	32,797	7 765	1 467	14 734
1970	374	32,063	7 100	1 919	15 284
1971	361	32,119	6 225	2 642	14 911
1972	369	35,980	5 906	4 324	15 465
1973	366	41,731	5 446	4 424	16 020
1974	346	57,561	4 611	4 248	17 556
1975	333	66,796	4 745	4 627	19 266
1976	329	70,360	4 055	4 616	20 448
1977	328	71,455	4 131	4 885	19 260
1978	291	67,780	4 276	5 122	19 752
1979	288	73,176	4 205	6 011	19 992
1980	297	85,496	4 199	6 857	21 338
1981	298	96,938	3 774	6 465	10 976
1982	303	106 036	4 266	4 788	10 540
1983	302	108,734	3 857	6 702	10 358

Dairy Production

Year	Milk Production		Factory Products		
	Whole Milk or Equivalent (million lbs)	Total Farm Value ($000)	Creamery Butter (000 lbs)	Cheddar Cheese (000 lbs)	Ice Cream (000 gals)
1949	1,054	26,638	24,419	1,822	1,650
1950	983	23,376	22,522	1,434	1,496
1951	976	27,042	22,277	1,450	1,719
1952	1,008	26,722	23,549	1,415	1,832
1953	1,059	28,289	24,992	1,199	1,782
1954	1,075	28,748	25,012	1,227	1,706
1955	1,104	39,689	25,018	1,043	1,784
1956	1,079	29,641	23,360	1,069	1,665
1957	1,066	29,473	23,552	1,263	1,690
1958	1,127	32,307	26,657	693	1,752
1959	1,093	31,430	25,630	385	1,889
1960	1,070	30,959	24,778	487	2,100
1961	1,062	30,952	25,278	551	2,275
1962	1,066	30,962	25,605	631	2,367
1963	1,049	30,730	24,901	817	2,705
1964	1,011	29,986	23,563	944	2,933
1965	955	30,425	21,806	1,145	2,947
1966	885	29,999	18,868	1,441	2,908
1967	851	32,699	17,071	2,118	3,160
1968	860	33,774	17,656	2,004	3,158
1969	851	32,797	17,119	3,235	3,241
1970	825	32,063	15,652	4,230	3,362
1971	796	32,119	13,723	5,824	3,280
1972	813	35,980	13,020	9,532	3,402
1973	805	41,731	12,006	9,753	3,526
1974	763	57,592	10,165	9,366	3,862
1975	735	66,796	10,462	10,201	4,238
1976	725	70,360	8,940	10,176	4,410
1977	722	71,455	9,107	10,769	4,242
1978	642	67,780	9,427	11,290	4,345
1979	635	73,176	9,270	13,252	4,398
1980	654	85,496	9,257	15,117	4,694
1981	655	96,938	8,320	14,253	2,338
1982	666	106,036	9,405	10,556	2,245
1983	663	108,734	8,503	14,775	2,278

Year	Poultry Production Value		
	Eggs	Meat	Total
	— thousand dollars —		
1949	10,683	7,068	17,751
1950	7,734	8,233	15,967
1951	10,229	11,245	21,474
1952	9,148	11,488	20,636
1953	12,227	10,373	22,600
1954	10,565	12,390	22,955
1955	11,290	11,248	22,538
1956	11,573	12,602	24,175
1957	10,882	12,118	23,000
1958	11,327	14,035	25,362
1959	10,160	13,327	23,487
1960	9,990	12,041	22,031
1961	10,079	13,314	23,393
1962	10,467	11,440	21,907
1963	12,119	11,741	23,860
1964	11,519	12,337	23,856
1965	13,429	13,414	26,843
1966	15,877	14,302	30,179
1967	14,378	11,597	25,975
1968	16,624	11,898	28,522
1969	19,944	13,441	33,385
1970	18,679	14,615	33,294
1971	14,176	13,101	27,277
1972	15,931	15,948	31,879
1973	26,992	23,543	50,535
1974	28,280	25,047	53,327
1975	25,774	20,452	46,226
1976	30,693	27,762	58,455
1977	30,232	28,491	58,723
1978	31,805	29,632	61,437
1979	34,978	38,208	73,186
1980	40,069	40,102	80,171
1981	47,940	47,608	95,548
1982	46,054	57,525	103,579
1983	47,375	56,470	103,845

Livestock Prices, St. Boniface Stockyards

Year	— LIVE CATTLE — Good Slaughter Steers (A3)	Good Slaughter Cows (D1,D2)	Good Feeder Steers	Good and Choice Veal	All Grades Over 227 kg	All Grades Calves Only	HOGS All Grades Dressed	SHEEP All Live Sheep & Lambs
	— cents per kilogram —							
1949	44.2	32.0	38.5	52.3	34.7	44.3	62.8	40.5
1950	53.9	41.7	54.1	63.9	46.0	55.8	61.2	51.2
1951	70.0	56.8	67.1	79.0	60.4	71.2	68.0	63.1
1952	52.8	35.3	43.1	57.5	41.6	47.5	53.9	45.5
1953	40.0	25.3	33.1	50.0	30.6	38.9	60.4	38.3
1954	38.4	23.5	33.4	48.2	29.0	37.5	61.4	34.3
1955	40.7	26.1	35.4	51.4	30.8	40.7	48.6	33.8
1956	39.5	24.1	35.7	51.2	29.3	38.0	51.6	32.8
1957	39.2	26.2	37.5	52.1	31.4	40.3	62.2	35.9
1958	48.4	36.6	47.6	62.7	42.6	55.2	55.6	37.6
1959	52.6	37.6	50.5	70.0	44.4	53.8	47.0	35.7
1960	47.8	34.2	46.3	67.1	40.4	51.9	47.7	34.8
1961	47.2	34.2	47.3	66.9	40.9	53.7	54.8	33.0
1962	54.8	37.9	53.8	73.5	45.9	60.8	56.6	35.6
1963	50.7	37.7	51.2	71.5	44.5	54.1	54.7	37.5
1964	48.2	34.0	46.0	67.7	39.7	46.4	51.9	38.8
1965	51.3	32.6	48.6	65.7	40.0	47.1	67.6	42.2
1966	55.6	41.6	56.3	75.7	47.2	57.3	73.7	44.1
1967	59.3	44.0	58.5	85.7	50.0	60.3	60.7	41.6
1968	59.2	43.1	59.2	83.6	51.2	62.4	62.0	47.3
1969	64.2	52.8	70.6	92.7	60.4	76.3	78.2	53.2
1970	66.6	51.6	72.8	103.0	62.5	79.0	64.4	59.1
1971	71.4	50.9	74.4	103.8	63.4	81.2	50.4	54.6
1972	77.3	58.3	85.5	117.5	70.2	91.4	75.0	61.3
1973	96.0	77.3	103.1	146.5	85.8	112.2	113.1	74.5
1974	104.5	59.8	89.6	155.0	81.5	90.9	101.7	99.2
1975	89.5	46.9	78.0	97.5	63.1	58.8	137.9	108.5
1976	78.1	50.5	79.4	103.7	61.0	63.4	130.1	110.4
1977	80.4	55.3	83.0	97.8	65.9	66.6	125.2	140.3
1978	118.6	88.0	129.3	163.2	101.9	123.3	149.5	130.3
1979	153.5	125.4	177.4	243.4	142.5	186.5	141.4	182.8
1980	151.7	114.7	167.6	243.7	135.2	176.9	124.9	146.5
1981	154.9	106.0	159.9	238.9	130.8	161.5	148.3	120.9
1982	153.3	102.3	158.3	238.0	124.3	160.0	177.7	101.3
1983	149.5	104.3	159.6	237.3	119.5	170.2	151.0	110.8

Livestock Prices, St. Boniface Stockyards

Year	— LIVE CATTLE — Good Slaughter Steers (A3)	Good Slaughter Cows (D1,D2)	Good Feeder Steers	Good and Choice Veal	All Grades Over 500 lbs	All Grades Calves Only	HOGS All Grades Dressed	SHEEP All Live Sheep & Lambs
	— dollars per 100 pounds —							
1949	20.04	14.54	17.46	23.71	15.75	20.11	28.47	18.39
1950	24.46	18.91	24.56	29.00	20.85	25.33	27.7¢	23.21
1951	31.76	25.74	30.45	35.85	27.40	32.30	30.85	28.61
1952	23.95	16.00	19.55	26.10	18.85	21.55	24.45	20.65
1953	18.14	11.48	15.01	22.68	13.87	17.64	27.40	17.39
1954	17.40	10.95	16.20	23.20	13.30	17.25	23.40	14.90
1955	18.45	11.85	16.04	23.30	13.95	18.45	22.05	15.35
1956	17.91	10.64	15.15	21.85	13.17	16.99	27.85	15.57
1957	17.78	11.90	17.00	23.65	14.23	18.26	28.20	16.28
1958	21.95	16.60	21.60	28.45	19.31	25.02	25.20	17.06
1959	23.85	17.05	22.90	31.75	20.12	24.39	21.30	16.19
1960	21.70	15.50	21.00	30.45	18.32	23.56	21.65	15.78
1961	21.40	15.50	21.45	30.35	18.55	24.35	24.85	14.95
1962	24.85	17.20	24.40	33.35	20.80	27.60	25.65	16.15
1963	23.00	17.10	23.20	32.45	20.20	24.55	24.80	17.00
1964	21.85	15.40	20.85	30.70	18.00	21.05	23.55	17.60
1965	23.25	14.80	22.05	29.80	18.15	21.35	30.65	19.15
1966	25.20	18.85	25.55	34.35	21.40	26.00	33.45	20.00
1967	26.88	19.95	26.55	38.85	22.70	27.35	27.55	18.85
1968	26.85	19.55	26.85	37.90	23.20	28.30	28.10	21.45
1969	29.10	23.95	32.00	42.05	27.40	34.60	35.45	24.15
1970	30.20	23.42	33.00	46.70	28.35	35.85	29.20	26.80
1971	32.40	23.10	33.75	47.10	28.75	36.85	22.85	24.75
1972	35.07	26.45	38.80	53.30	31.86	41.44	34.00	27.80
1973	43.53	35.06	46.76	66.44	38.91	50.90	51.31	39.93
1974	47.41	27.12	40.62	70.30	36.97	41.22	46.12	45.00
1975	40.58	21.27	35.37	44.24	28.63	26.66	62.55	49.22
1976	35.43	22.92	36.02	27.04	27.67	28.74	59.03	50.10
1977	36.47	25.10	37.66	44.37	29.88	30.23	56.78	63.64
1978	53.78	39.93	58.67	74.04	46.21	55.91	67.83	59.12
1979	69.62	56.88	80 49	110.39	64.62	84.58	64.15	82.94
1980	68.80	52.05	76.04	110.56	61.33	80.25	56.67	66.44
1981	70.26	48.10	72.55	108.37	59.31	73.26	6.40	54.82
1982	69.54	46.42	71.81	107.97	56.38	72.43	80.61	45.95
1983	67.83	47.29	72.38	107.65	54.21	77.18	68.49	50.27

Livestock on Farms

Year	Cattle: Milk Cows Only	Cattle: All Cattle	Hogs	Sheep	Hens and Chickens*	Turkeys
	— thousand animals or birds, June 1 —					
1949	258	758	284	99	6,824	326
1950	237	704	261	74	5,402	370
1951	223	671	338	66	6,458	311
1952	219	738	390	72	6,650	435
1953	219	772	265	75	6,330	370
1954	220	792	320	76	6,715	510
1955	221	819	351	76	5,940	550
1956	223	872	311	73	5,990	664
1957	216	885	314	72	6,350	772
1958	209	868	453	78	6,980	932
1959	202	892	503	74	7,000	1,214
1960	198	931	371	76	6,400	880
1961	196	996	432	81	6,267	1,145
1962	185	982	334	76	5,465	970
1963	175	1,066	391	73	5,700	970
1964	172	1,152	460	72	6,270	885
1965	163	1,184	421	61	5,820	1,000
1966	150	1,151	499	51	5,844	1,091
1967	137	1,099	589	45	6,330	925
1968	129	1,029	547	38	6,380	870
1969	121	1,006	615	37	7,340	825
1970	116	1,104	907	40	8,540	900
1971	110	1,138	943	42	7,613	1,033
1972	105	1,210	893	36	7,530	1,000
1973	101	1,247	956	33	4,310	NA
1974	99	1,386	826	26	4,095	NA
1975	96	1,458	582	23	3,787	NA
1976	92	1,411	632	21	3,470	NA
1977	91	1,373	650	19	NA	NA
1978	88	1,262	683	20	NA	NA
1979	80	1,227	804	26	NA	NA
1980	80	1,186	823	28	NA	NA
1981	83	1,162	865	35	6,155	697
1982	80	1,125	865	38	NA	NA
1983	79	1,063	948	39	NA	NA

* Hens and pullets only since 1973.

OTHER PRODUCTS

Farm Products Other Than Crops or Livestock

Year	Honey	Fur	Forest	Total
		— thousand dollars —		
1949	757	1,948	560	3,265
1950	799	2,470	568	3,837
1951	738	2,481	542	3,761
1952	490	2,350	516	3,356
1953	657	2,401	490	3,548
1954	630	3,201	463	4,294
1955	870	3,848	437	5,155
1956	896	3,622	411	4,929
1957	869	3,493	385	4,747
1958	812	3,308	359	4,479
1959	820	3,514	333	4,667
1960	873	3,078	307	4,258
1961	987	2,798	267	4,052
1962	773	3,097	226	4,096
1963	1,117	3,115	186	4,418
1964	1,017	3,111	145	4,273
1965	1,112	4,363	105	5,580
1966	1,379	3,379	117	4,875
1967	1,586	3,102	164	4,852
1968	685	2,827	200	3,712
1969	1,469	2,322	232	4,023
1970	1,520	1,348	250	3,118
1971	1,355	1,088	279	2,722
1972	3,010	1,081	352	4,443
1973	3,874	1,200	400	5,474
1974	3,517	976	378	4,871
1975	3,176	989	362	4,527
1976	4,798	1,320	482	6,600
1977	5,217	1,600	262	7,079
1978	8,019	2,614	258	10,891
1979	9,264	2,568	298	12,130
1980	9,278	2,157	280	11,715
1981	10,748	2,119	1,083	13,950
1982	10,963	1,839	1,054	13,856
1983	9,898	1,878	1,157	12,933

Land Use, Manitoba Farms

Year	Crops	— Improved Land — Pasture	Fallow	Other	Total	Unimproved Land	Total Land
			— thousand hectares —				
1941	2 561	185	1 120	112	3 978	2 858	6 836
1946	2 608	208	1 036	103	3 955	2 791	6 746
1951	2 968	237	1 019	131	4 355	2 820	7 175
1956	3 110	241	1 144	140	4 635	2 622	7 257
1961	3 112	291	1 307	132	4 842	2 511	7 353
1966	3 518	312	1 080	127	5 037	2 686	7 723
1971	3 691	296	1 074	120	5 181	2 511	7 692
1976	3 848	311	934	124	5 217	2 483	7 700
1981	4 420	353	598	133	5 504	2 112	7 616

Farm Numbers and Size

Year	Farms	Average Size Total Hectares	Average Size Improved Hectares
1941	58,024	118	68
1946	54,448	124	72
1951	52,383	137	83
1956	49,201	147	94
1961	43,306	170	112
1966	39,747	194	127
1971	34,981	220	148
1976	32,104	240	162
1981	29,442	259	187

Land Tenure

Year	Area Operated By: Owners	Renters	Owners-renters	Managers	Total Area Owned or Managed	Rented
			— thousand hectares —			
1941	3 744	1 386	1 637	69	4 698	2 138
1946	4 062	973	1 618	94	5 056	1 691
1951	4 264	722	2 019	170	5 580	1 595
1956	4 092	655	2 335	175	5 592	1 665
1961	3 722	552	2 843	236	5 551	1 802
1966	3 878	379	3 228	238	5 938	1 785
1971	3 581	371	3 740	—	5 691	2 001
1976	3 283	479	3 938	—	5 500	2 200
1981	2 668	579	4 369	—	5 098	2 518

Land Use, Manitoba Farms

Year	— Improved Land — Crops	Pasture	Fallow	Other	Total	Unimproved Land	Total Land
	— thousand acres —						
1941	6,328	456	2,767	278	9,829	7,062	16,891
1946	6,445	514	2,560	254	9,773	6,898	16,671
1951	7,335	585	2,519	323	10,762	6,968	17,730
1956	7,686	595	2,828	345	11,454	6,478	17,932
1961	7,689	720	3,230	325	11,964	6,206	18,170
1966	8,594	770	2,669	313	12,446	6,638	19,084
1971	9,122	731	2,655	296	12,804	6,204	19,008
1976	9,508	769	2,308	306	12,891	6,135	19,026
1981	10,923	871	1,479	328	13,601	5,218	18,819

Farm Numbers and Size

Year	Farms	Average Size Total Acres	Improved Acres
1941	58,024	291	169
1946	54,448	306	179
1951	52,383	338	205
1956	49,201	364	233
1961	43,306	420	276
1966	39,747	480	313
1971	34,981	543	366
1976	32,104	593	402
1981	29,442	639	462

Land Tenure

Year	Area Operated By: Owners	Renters	Owners-renters	Managers	Total Area Owned or Managed	Rented
			— thousand acres —			
1941	9,252	3,424	4,044	171	11,609	5,283
1946	10,038	2,404	3,997	232	12,494	4,178
1951	10,536	1,784	4,989	421	13,788	3,942
1956	10,111	1,618	5,770	433	13,818	4,113
1961	9,196	1,365	7,026	583	13,716	4,454
1966	9,584	936	7,977	587	14,673	4,411
1971	8,849	917	9,242	—	14,063	4,945
1976	8,112	1,183	9,731	—	13,591	5,435
1981	6,592	1,430	10,797	—	12,596	6,223

Farm and Total Population

Year	Farms	Farm Population	Manitoba Population	Percent Farm of Total
1941	58,024	249,599	729,744	34.2
1946	54,448	224,919	726,923	30.9
1951	52,383	219,233	776,541	28.2
1956	49,201	202,163	850,040	23.8
1961	43,306	172,946	921,686	18.8
1966	39,747	161,662	963,066	16.8
1971	34,981	131,202	988,247	13.3
1976	32,104	114,115	1,021,506	11.2
1981	29,442	98,375	1,026,241	9.6

Farm Labour Force

Year	Male	Female	Total
1941	90,774	1,505	92,279
1951	70,109	3,586	73,695
1961	51,700	7,601	59,301
1971	36,600	10,470	47,070
1981	33,900	8,445	42,345

Capital Investment

Year	Land and Buildings	Machinery and Equipment	Livestock	Total	Per Farm $
		— million dollars —			
1941	229	59	51	339	5,800
1946	339	94	71	504	9,300
1951	529	232	156	917	17,500
1956	604	244	110	958	19,500
1961	720	272	162	1,154	26,600
1966	1,178	380	199	1,757	44,200
1971	1,374	412	270	2,056	58,800
1976	3,208	960	367	4,535	141,300
1981	7,836	1,823	792	10,451	355,000

Home-Grown Grain Used On Manitoba Farms

Crop Year	Wheat	Oats	Barley	Wheat	Oats	Barley
	— 000 tonnes —			— million bushels —		
1948-49	272	540	457	10	35	21
1949-50	218	494	435	8	32	20
1950-51	218	494	348	8	32	16
1951-52	218	555	435	8	36	20
1952-53	218	540	544	8	35	25
1953-54	218	524	414	8	34	19
1954-55	245	416	370	9	27	17
1955-56	218	540	457	8	35	21
1956-57	218	601	283	8	39	13
1957-58	218	601	348	8	39	16
1958-59	327	679	327	12	44	15
1959-60	245	648	261	9	42	12
1960-61	299	648	261	11	42	12
1961-62	245	540	218	9	35	10
1962-63	381	787	174	14	51	8
1963-64	381	802	174	14	52	8
1964-65	381	787	196	14	51	9
1965-66	354	879	196	13	57	9
1966-67	327	848	283	12	55	13
1967-68	354	771	305	13	50	14
1968-69	435	694	479	16	45	22
1969-70	463	848	588	17	55	27
1970-71	408	941	588	15	61	27
1971-72	299	894	762	11	58	35
1972-73	680	725	784	25	47	36
1973-74	517	771	806	19	50	37
1974-75	327	524	566	12	34	26
1975-76	351	484	435	13	31	20
1976-77	381	617	457	14	40	21
1977-78	313	580	534	12	38	24
1978-79	264	580	702	10	38	32
1979-80	382	347	756	14	22	35
1980-81	274	251	639	10	16	29
1981-82	300	348	841	11	23	39
1982-83	292	447	836	11	29	38

Note: These columns represent both feed and seed. The section on Sources and Methods at end of publication gives further explanation.

Machinery on Farms, 1951-1981

Year	Tractors	Trucks	Combines	Swathers	Balers
1951	50,984	21,163	15,268	—	—
1956	59,265	28,556	21,425	—	—
1961	61,463	31,806	23,662	20,408	8,573
1966	65,552	36,689	24,815	23,530	12,712
1971	64,587	41,306	23,325	23,833	13,472
1976	67,077	49,844	23,467	23,843	14,173
1981	67,342	54,070	22,631	24,291	15,694

Farm Machinery Sales, 1949-1983

Year	Tractors	Combines	Swathers	Balers
1949	7,741	2,288	1,822	—
1950	6,179	2,079	1,370	—
1951	5,510	2,704	1,997	—
1952	4,508	2,675	1,761	—
1953	3,663	1,899	1,291	—
1954	2,250	669	571	—
1955	2,216	892	679	—
1956	2,189	1,101	1,443	—
1957	2,015	877	861	963
1958	2,263	739	—	1,157
1959	2,486	1,009	768	1,547
1960	2,461	1,079	783	1,518
1961	1,803	496	743	1,043
1962	2,298	1,228	1,221	1,807
1963	2,735	1,378	1,328	1,187
1964	3,221	1,572	2,231	1,399
1965	3,037	1,900	2,339	1,212
1966	3,692	1,702	1,709	1,021
1967	2,973	1,454	1,838	642
1968	1,949	1,223	1,763	562
1969	1,610	642	1,100	537
1970	1,482	393	606	489
1971	1,138	482	772	485
1972	1,583	506	958	595
1973	2,371	856	1,462	779
1974	2,622	675	939	731
1975	2,823	856	1,471	1,007
1976	2,730	604	1,515	1,163
1977	2,190	1,012	1,131	850
1978	2,485	695	NA	297
1979	2,610	1,018	1,191	817
1980	2,251	781	1,249	810
1981	2,132	1,056	1,328	645
1982	1,787	636	977	465
1983	1,453	578	740	481

FERTILIZER SALES

Year Ending June 30	Materials	Mixtures	Total	Materials	Mixtures	Total
	— tonnes —			— tons —		
1956	13 408	617	14 025	14,780	680	15,460
1957	13 526	684	14 210	14,910	754	15,664
1958	14 042	736	14 778	15,478	811	16,289
1959	18 329	807	19 136	20,204	890	21,094
1960	19 602	777	20 379	21,607	857	22,464
1961	26 022	1 130	27 152	28,684	1,246	29,930
1962	30 004	1 802	31 806	33,073	1,986	35,059
1963	41 376	1 376	42 752	45,608	1,517	47,125
1964	51 918	2 377	54 295	57,229	2,620	59,849
1965	65 104	2 420	67 525	71,764	2,668	74,432
1966	135 560	3 590	139 150	149,427	3,957	153,384
1967	160 425	3 902	164 327	176,835	4,301	181,136
1968	216 233	3 547	219 780	238,352	3,910	242,262
1969	124 874	3 888	128 762	137,648	4,286	141,934
1970	116 632	3 706	120 338	128,563	4,085	132,648
1971	172 860	4 354	177 213	190,542	4,799	195,341
1972	189 251	7 255	196 506	208,610	7,997	216,607
1973	271 469	6 125	277 594	299,238	6,751	305,989
1974	317 689	8 553	326 242	350,192	9,428	359,620
1975	340 129	4 521	344 650	374,928	4,983	379,911
1976	363 771	5 587	369 358	400,989	6,159	407,148
1977	360 072	7 037	367 109	396,908	7,757	404,665
1978	451 158	4 650	455 808	497,317	5,126	502,443
1979	538 900	4 800	543 700	594,029	5,291	599,320
1980	545 900	2 200	548 100	601,746	2,425	604,171
1981	513 000	4 000	517 000	565,480	4,409	569,889
1982	517 800	3 500	521 300	570,600	3,900	574,500
1983	504 000	19 600	523 600	555,500	21,600	577,100

FIELD CROPS TREATED WITH HERBICIDES

Year	Hectares	Acres	Year	Hectares	Acres
	— 000 —			— 000 —	
1952	702	1,735	1964	1 372	3,390
1953	573	1,415	1965	1 741	4,301
1954	443	1,095	1966	1 814	4,483
1955	860	2,126	1967	1 888	4,666
1956	1 204	2,975	1968	2 051	5,067
1957	1 218	3,011	1969	1 671	4,130
1958	845	2,089	1970	1 429	3,530
1959	825	2,038	1971	1 609	3,975
1960	1 090	2,693	1972	1 796	4,439
1961	602	1,488	1973	2 085	5,153
1962	1 180	2,916	1974	2 077	5,130
1963	1 307	3,229	1975	1 797	4,439

* No estimates since 1975.

FARM FINANCES

Farm Input Price Indices
Western Canada (1971 = 100)

Year	Bldg. and Fencing	Machinery Replacement	Machinery Operation	Crop Production	Animal Production	Supplies and Services	Hired Farm Labour	Total Farm Inputs
1971.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1972.....	110.4	103.2	103.8	103.7	111.6	103.1	108.6	107.0
1973.....	124.2	107.2	108.7	119.7	152.7	109.6	124.1	125.0
1974.....	144.6	120.3	122.0	191.6	162.3	121.1	148.3	145.3
1975.....	156.6	139.6	142.1	236.6	161.0	136.5	176.3	164.0
1976.....	173.8	148.6	158.0	229.5	163.2	150.1	203.4	174.9
1977.....	187.3	159.6	170.2	219.7	162.4	161.1	225.8	179.5
1978.....	204.8	175.7	178.7	227.4	209.5	172.7	239.9	203.0
1979.....	228.8	198.4	192.9	251.2	265.4	190.1	254.1	237.9
1980.....	240.1	223.3	223.9	313.5	261.8	207.5	272.3	261.7
1981.....	262.4	247.9	273.5	358.5	267.4	244.6	291.1	303.2
1982.....	278.6	264.9	308.2	337.4	261.8	268.4	309.9	312.3
1983.....	300.7	275.5	322.5	320.1	260.1	283.3	321.3	311.3

Farm Input Price Index

This index measures the impact of price changes on the cost of a constant base-year basket of capital material and service inputs. Items included are weighted according to relative importance and grouped according to farm use. The groups in the above table consist of the following sub groups or items.

Building and Fencing — includes building replacement and repairs (materials and labour) and fencing construction and repairs.

Machinery Replacement — (1) includes tractors, combines, ploughs, disc harrows, grain drills, manure spreaders, balers, automobiles and trucks.

Machinery and Motor Vehicle Operation — (1) includes petroleum products, maintenance, licence and motor vehicle insurance.

Crop Production — (2) includes grain legume and grass seed, fertilizer, pesticides and twine.

Animal Production — (2) includes feeder livestock — cattle, hogs, chick and turkey poults feed — prepared and grain feed; and artificial insemination.

Supplies and Services — includes small tools, electricity, telephones and custom work.

Hired Labour — includes hourly, daily and monthly rates.

(1) Farm share only.
(2) Aggregations of only a partial list of inputs identifiable to the respective types of farming and should not be construed as production cost indices.

Year	Farm Cash Income			
	Crop Sales	Livestock Sales	Other Sources	Total
	— thousand dollars —			
1949	152,472	89,828	4,734	247,034
1950	103,755	89,945	5,267	198,967
1951	167,952	98,770	5,289	272,011
1952	152,255	87,135	4,495	243,885
1953	130,172	84,299	4,667	219,138
1954	93,497	88,917	5,901	188,315
1955	79,121	87,825	11,423	178,369
1956	114,421	88,360	8,264	211,045
1957	97,046	94,782	6,304	198,132
1958	100,752	115,667	14,384	230,803
1959	112,999	109,284	8,245	230,528
1960	113,719	103,086	16,032	232,837
1961	114,253	119,657	8,851	242,761
1962	136,379	109,213	17,125	262,717
1963	147,707	116,270	7,771	271,748
1964	170,778	122,823	7,929	301,530
1965	184,173	149,892	8,548	342,613
1966	200,084	168,704	9,091	377,879
1967	193,198	172,997	8,607	374,802
1968	187,754	170,703	6,406	364,863
1969	168,823	175,081	7,162	351,066
1970	128,703	201,087	11,637	341,427
1971	165,596	193,326	10,661	369,583
1972	235,561	237,785	18,834	492,180
1973	285,653	327,613	18,119	631,385
1974	486,070	335,523	8,939	830,532
1975	572,231	350,536	19,836	942,603
1976	504,787	356,367	31,275	892,429
1977	491,271	379,087	23,266	893,624
1978	621,181	499,187	21,614	1,140,982
1979	754,137	562,649	10,086	1,326,872
1980	865,645	595,328	19,551	1,480,524
1981	1,003,770	607,905	50,770	1,662,445
1982	1,029,762	653,980	13,529	1,697,271
1983	1,099,587	606,762	37,097	1,743,446

Farm Cash Income From Crop Sales

Year	Wheat	Oats	Barley	Flaxseed	Other Crops	Total Crops
			— thousand dollars —			
1949	99,019	13,639	23,493	6,580	9,741	152,472
1950	45,387	12,985	29,656	6,732	8,995	103,755
1951	87,524	19,861	39,885	10,645	10,037	167,952
1952	72,289	15,656	43,449	11,578	9,283	152,255
1953	63,175	13,143	36,981	8,003	8,870	130,172
1954	36,149	10,330	29,396	7,557	10,065	93,497
1955	29,975	6,331	24,266	10,394	8,155	79,121
1956	50,534	11,641	23,594	16,611	12,041	114,421
1957	46,184	10,354	14,425	11,143	14,940	97,046
1958	58,122	7,649	16,156	7,952	10,873	100,752
1959	66,990	6,548	18,724	11,113	9,624	112,999
1960	66,349	6,378	15,108	12,189	13,695	113,719
1961	81,410	5,522	10,367	12,603	4,351	114,253
1962	77,416	10,129	11,395	20,654	16,785	136,379
1963	91,003	12,478	9,362	16,707	18,157	147,707
1964	99,832	12,423	10,059	29,323	19,141	170,778
1965	110,968	11,593	12,172	25,320	24,120	184,173
1966	114,363	14,457	13,936	33,996	23,332	200,084
1967	120,418	12,171	15,830	20,655	24,124	193,198
1968	109,486	11,292	17,127	15,192	34,657	187,754
1969	72,057	12,886	13,268	25,685	44,927	168,823
1970	72,317	6,347	21,472	17,613	10,954	128,703
1971	77,144	7,747	31,961	14,710	34,034	165,596
1972	113,272	11,553	45,302	12,988	52,446	235,561
1973	120,963	15,684	69,946	38,535	40,525	285,653
1974	225,296	14,649	100,889	61,350	83,886	486,070
1975	287,418	28,879	99,019	38,140	118,775	572,231
1976	243,162	23,883	80,402	39,881	117,459	504,787
1977	182,534	22,151	70,867	42,100	173,619	491,271
1978	234,189	15,681	99,334	54,594	217,383	621,181
1979	281,267	6,200	102,939	77,247	286,484	754,137
1980	388,019	4,854	93,564	92,919	286,289	865,645
1981	473,516	6,751	147,752	74,566	301,185	1,003,770
1982	511,912	7,692	161,852	62,383	285,923	1,029,762
1983	571,107	7,584	157,594	88,904	274,398	1,099,587

Farm Cash Income From Livestock Sales

Year	Cattle & Calves	Hogs	Sheep & Lambs	Dairy & Supplementary Payments	Poultry & Eggs	Total
			— thousand dollars —			
1949	39,156	16,388	755	19,599	13,930	89,828
1950	44,526	15,098	652	17,366	12,303	89,945
1951	44,135	17,275	632	19,785	16,943	98,770
1952	30,531	19,052	515	19,997	17,040	87,135
1953	28,452	14,755	443	21,379	19,270	84,299
1954	30,046	16,441	411	21,874	20,145	88,917
1955	28,153	16,405	454	22,806	20,007	87,825
1956	28,356	14,996	406	23,051	21,551	88,360
1957	35,105	15,717	449	22,834	20,677	94,782
1958	46,556	20,501	484	25,040	23,086	115,667
1959	39,920	23,185	461	24,144	21,574	109,284
1960	40,298	17,884	466	23,868	20,570	103,086
1961	51,535	22,356	527	24,084	21,155	119,657
1962	44,074	20,628	445	24,096	19,970	109,213
1963	48,095	19,440	523	23,984	24,228	116,270
1964	51,026	23,582	544	23,699	23,972	122,823
1965	71,573	27,415	462	24,209	26,233	149,892
1966	78,326	35,084	346	24,484	30,464	168,704
1967	80,557	37,280	325	27,390	27,445	172,997
1968	76,234	36,074	244	28,388	29,763	170,703
1969	68,167	44,324	255	27,592	34,743	175,081
1970	81,239	58,021	213	27,247	34,367	201,087
1971	85,593	51,211	362	27,642	28,518	193,326
1972	105,548	66,293	362	32,096	33,486	237,785
1973	132,136	104,071	402	36,909	54,095	327,613
1974	131,791	94,758	497	52,246	56,231	335,523
1975	152,366	87,866	390	60,273	49,641	350,536
1976	155,618	79,877	383	61,829	58,769	356,476
1977	178,756	78,230	432	63,711	57,535	378,664
1978	260,375	105,026	657	67,705	59,492	493,255
1979	297,132	115,682	694	73,176	68,586	555,270
1980	308,756	117,432	860	85,606	75,391	588,045
1981	276,979	138,634	1,099	96,938	86,165	599,815
1982	281,428	169,360	1,236	106,036	86,607	644,667
1983	246,434	155,441	1,421	108,734	87,221	599,251

Farm Cash and Overhead Expenses

Year	Machinery Operation	Dep. Bldgs. & Mach.	Interest on Debt	Rent & Taxes	Hired Labour	Feed & Seed Bought Comm.	Fert.	Other	Value
				— thousand dollars —					
1949	33.612	19.872	3.930	17.764	11.308	14.486	1.345	7.128	109.445
1950	34.890	24.654	4.490	18.462	11.922	11.969	1.698	7.462	115.547
1951	36.169	27.923	5.198	18.504	11.899	10.310	2.107	10.263	122.373
1952	37.457	29.794	5.657	19.040	12.243	9.261	2.684	10.275	126.411
1953	39.064	32.499	5.953	15.715	11.926	8.234	3.377	10.749	127.517
1954	37.342	33.181	6.061	13.416	11.136	9.374	2.386	10.757	123.653
1955	39.251	31.983	6.472	14.467	10.256	10.119	1.526	10.928	125.002
1956	41.176	31.249	6.412	16.759	11.058	11.055	1.571	11.797	131.077
1957	41.682	31.986	6.373	15.379	11.523	10.594	1.666	11.569	130.772
1958	41.396	32.397	6.662	16.862	11.930	12.324	1.584	12.849	136.004
1959	43.585	32.644	7.228	17.536	12.024	12.904	2.120	14.100	142.141
1960	46.518	33.692	7.790	19.166	12.108	13.611	2.213	15.200	150.298
1961	46.028	33.971	8.833	18.882	12.571	14.420	3.494	14.940	153.139
1962	47.540	34.777	10.109	21.110	12.338	21.753	3.237	17.074	167.938
1963	47.953	36.971	11.635	22.290	11.507	17.930	4.558	19.467	172.311
1964	49.613	40.289	14.119	22.339	11.530	19.514	5.925	21.931	185.260
1965	49.989	44.160	15.942	23.434	14.281	19.724	7.564	24.628	199.722
1966	51.551	48.150	17.948	23.829	14.341	24.487	15.302	27.966	223.574
1967	53.438	52.593	20.205	24.749	15.565	32.100	18.521	31.160	248.331
1968	54.919	55.967	23.593	25.961	15.964	28.058	24.772	33.104	262.338
1969	56.353	56.245	27.315	25.241	15.881	28.373	13.050	30.188	252.646
1970	57.573	55.633	22.173	24.938	15.943	29.359	10.906	30.543	247.068
1971	60.949	53.478	22.275	27.272	16.228	33.102	15.780	45.052	274.136
1972	65.567	55.190	31.487	25.253	16.891	39.154	18.903	54.726	307.171
1973	76.247	60.089	28.210	35.301	18.925	55.705	26.708	64.960	366.145
1974	96.805	77.967	38.512	40.800	22.921	76.773	36.732	82.115	472.625
1975	105.862	104.760	43.997	50.074	26.900	79.722	59.390	98.024	568.729
1976	116.982	129.358	57.735	54.549	28.174	83.510	65.274	123.722	659.304
1977	129.142	144.682	63.062	62.715	31.050	84.556	73.516	146.418	735.141
1978	147.582	164.248	81.506	75.758	35.121	88.146	101.402	161.076	854.839
1979	162.145	191.918	118.584	92.548	41.255	116.498	133.540	199.682	1.056.170
1980	180.539	222.211	147.996	104.338	47.215	158.401	145.361	220.596	1.226.657
1981	246.184	249.706	193.584	103.385	63.176	153.403	162.959	257.155	1.429.552
1982	283.406	260.792	170.954	119.779	70.101	150.306	151.226	275.706	1.482.270
1983	295.334	264.477	157.556	111.650	73.677	147.436	134.894	289.273	1.474.297

Income Summary

Year	Total Cash Receipts	Income in Kind	Realized Gross Income	Operating & Dep. Cost	Realized Net Income	Value of Inventory Change	Total Net Income
			— million dollars —				
1949	247	17	264	109	154	−20	134
1950	199	16	215	116	99	15	115
1951	272	18	290	122	168	9	177
1952	244	17	261	126	135	23	158
1953	219	15	235	128	107	2	109
1954	188	14	202	124	79	−12	66
1955	178	13	191	125	66	18	84
1956	211	13	224	131	93	32	124
1957	198	13	211	131	81	−12	68
1958	231	14	245	136	109	16	124
1959	231	13	243	142	101	−4	97
1960	233	12	245	150	94	8	103
1961	243	12	255	153	102	−57	45
1962	263	11	274	168	106	53	159
1963	272	11	283	172	110	−4	107
1964	302	10	312	185	127	29	156
1965	343	11	354	200	154	10	164
1966	378	10	388	224	165	−27	137
1967	375	10	385	248	136	16	152
1968	365	10	375	262	112	51	163
1969	351	10	362	253	109	9	118
1970	341	10	351	247	104	−15	89
1971	370	9	378	274	104	48	152
1972	492	10	502	307	195	−26	169
1973	631	12	644	366	278	93	371
1974	831	12	842	473	370	−50	319
1975	943	11	954	569	385	12	397
1976	892	14	906	659	247	35	282
1977	894	13	907	735	172	117	289
1978	1,141	15	1,156	855	301	49	350
1979	1,327	17	1,344	1,056	288	−42	246
1980	1,480	21	1,501	1,227	274	−228	46
1981	1,662	22	1,684	1,430	254	174	429
1982	1,697	20	1,717	1,482	235	84	319
1983	1,743	19	1,763	1,474	289	−143	146

Income Per Farm

Year	Farms	Total Net Income (Production Minus Cost) — dollars per farm —	Cash (Sales)
1949	53,100	2,517	4,652
1950	52,700	2,178	3,776
1951	52,383	3,377	5,193
1952	52,000	3,042	4,690
1953	51,250	2,128	4,276
1954	50,500	1,312	3,729
1955	49,750	1,693	3,585
1956	49,201	2,525	4,290
1957	47,900	1,423	4,136
1958	46,700	2,660	4,942
1959	45,600	2,134	5,055
1960	44,400	2,317	5,244
1961	43,306	1,035	5,606
1962	42,600	3,022	6,167
1963	41,900	2,543	6,486
1964	41,200	3,780	7,319
1965	40,500	4,053	8,460
1966	39,747	3,459	9,507
1967	38,700	3,934	9,685
1968	37,700	4,319	9,678
1969	36,700	3,210	9,566
1970	35,800	2,480	9,537
1971	34,981	4,350	10,565
1972	34,400	4,902	14,308
1973	33,825	10,957	18,666
1974	33,250	9,605	24,978
1975	32,675	12,144	28,847
1976	32,104	8,795	27,798
1977	31,600	9,145	28,279
1978	31,000	11,304	36,806
1979	30,500	8,052	43,504
1980	30,000	1,543	49,351
1981	29,442	14,579	56,465
1982	29,300	10,878	57,927
1983	29,000	5,030	60,119

Price Index of Farm Products

(1971 = 100)

1956	85	1963	101	1970	101	1977	202
1957	83	1964	98	1971	100	1978	232
1958	90	1965	102	1972	119	1979	272
1959	90	1966	109	1973	193	1980	297
1960	91	1967	108	1974	235	1981	326
1961	98	1968	103	1975	228	1982	314
1962	104	1969	102	1976	211	1983	296

Comparative Precipitation at Winnipeg

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
						— millimetres —							
1958	11	16	9	30	11	69	144	24	20	39	81	28	482
1959	6	25	25	17	118	59	91	100	97	87	18	10	653
1960	18	11	31	50	34	55	17	78	24	47	12	19	396
1961	3	42	14	43	10	3	84	4	58	25	4	31	321
1962	22	40	30	17	132	54	155	173	16	18	55	11	723
1963	7	29	18	90	66	87	54	53	16	20	15	27	482
1964	17	5	50	54	34	119	22	71	35	6	16	31	460
1965	6	14	14	65	91	60	80	34	65	14	44	38	525
1966	9	10	41	47	38	36	86	105	18	22	26	21	459
1967	21	9	17	73	28	50	111	57	23	45	15	21	470
1968	21	5	13	32	99	83	144	143	59	40	4	9	652
1969	48	9	10	25	77	105	101	57	61	27	9	19	548
1970	23	15	27	65	87	50	70	75	112	27	27	23	601
1971	11	4	44	60	47	76	115	17	50	72	22	6	524
1972	16	10	20	13	29	50	60	103	61	25	10	25	422
1973	3	6	14	21	103	88	123	66	82	37	40	19	602
1974	39	11	15	59	156	18	32	110	46	5	6	13	510
1975	46	16	19	45	48	120	58	133	42	38	13	17	595
1976	30	23	23	32	10	183	37	59	10	2	1	18	428
1977	12	21	10	5	178	88	85	90	148	30	29	19	715
1978	10	8	11	23	123	51	61	18	83	10	43	21	462
1979	9	20	45	73	93	65	23	76	25	16	15	11	471
1980	34	17	13	0	8	45	24	110	86	33	25	11	406
1981	23	3	15	13	48	90	39	104	72	60	6	7	480
1982	26	8	36	13	23	54	107	59	58	62	6	32	484
1983	13	15	66	6	29	139	30	85	53	22	16	6	480
Average													
1958 - 1963	19	15	24	39	66	73	75	77	55	32	21	19	513

Comparative Precipitation at Winnipeg

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
							— inches —						
1958	0.44	0.63	0.35	1.20	0.42	2.70	5.65	0.96	0.80	1.55	3.20	1.09	18.99
1959	0.22	0.98	1.00	0.67	4.63	2.33	3.57	3.94	3.83	3.44	0.71	0.38	25.70
1960	0.69	0.45	1.21	1.96	1.34	2.18	0.67	3.09	0.93	1.84	0.48	0.75	15.59
1961	0.11	1.64	0.53	1.70	0.39	0.13	3.29	0.16	2.30	1.00	0.17	1.21	12.63
1962	0.87	1.57	1.19	0.67	5.21	2.11	6.11	6.83	0.62	0.73	2.15	0.42	28.48
1963	0.26	1.16	0.73	3.56	2.59	3.43	2.12	2.09	0.63	0.79	0.58	1.05	18.99
1964	0.66	0.20	1.98	2.14	1.34	4.69	0.88	2.80	1.36	0.23	0.62	1.20	18.10
1965	0.22	0.55	0.53	2.55	3.60	2.37	3.15	1.36	2.55	0.57	1.74	1.51	20.70
1966	0.37	0.41	1.61	1.85	1.50	1.41	3.38	4.14	0.71	0.85	1.03	0.83	18.09
1967	0.81	0.37	0.69	2.86	1.11	1.98	4.37	2.25	0.89	1.78	0.58	0.83	18.52
1968	0.84	0.19	0.52	1.27	3.90	3.26	5.66	5.63	2.31	1.59	0.15	0.35	25.67
1969	1.87	0.34	0.39	1.00	3.02	4.13	3.99	2.25	2.40	1.07	0.37	0.74	21.57
1970	0.90	0.59	1.08	2.57	3.41	1.99	2.74	2.95	4.41	1.05	1.05	0.92	23.66
1971	0.42	0.18	1.72	2.37	1.85	2.99	4.53	0.67	1.96	2.84	0.88	0.23	20.64
1972	0.63	0.41	0.79	0.51	1.14	1.98	2.37	4.06	2.41	0.97	0.41	1.00	16.68
1973	0.10	0.25	0.54	0.83	4.06	3.47	4.84	2.58	3.23	1.46	1.58	0.75	23.69
1974	1.54	0.44	0.60	2.31	6.14	0.70	1.26	4.32	1.81	0.21	0.22	0.51	20.06
1975	1.80	0.61	0.74	1.80	1.86	4.73	2.29	5.22	1.64	1.50	0.51	0.67	23.37
1976	1.17	0.91	0.91	1.24	0.41	7.19	1.45	2.32	0.39	0.10	0.03	0.72	16.84
1977	0.49	0.82	0.39	0.20	7.00	3.48	3.36	3.53	5.83	1.19	1.12	0.74	28.15
1978	0.40	0.30	0.45	0.90	4.83	2.03	2.38	0.73	3.25	0.40	1.68	0.82	18.17
1979	0.35	0.79	1.78	2.89	3.67	2.56	0.91	3.00	0.98	0.61	0.58	0.44	18.56
1980	1.34	0.69	0.52	0	0.31	1.77	0.93	4.32	3.37	1.30	0.98	0.43	15.96
1981	0.91	0.13	0.57	0.50	1.87	3.56	1.54	4.08	2.85	2.35	0.23	0.29	18.88
1982	1.01	0.31	1.41	0.52	0.92	2.13	4.21	2.32	2.29	2.44	0.22	1.25	19.03
1983	0.50	0.59	2.58	0.25	1.15	5.48	1.17	3.35	2.08	0.85	0.64	0.22	18.86
Average 1958 - 1983	0.73	0.60	0.95	1.53	2.60	2.88	2.95	3.04	2.15	1.26	0.84	0.74	20.21

Seasonal Data

Year	Assiniboine River Entirely Clear of Ice at Winnipeg	Date Wheat Seeding Became General	Wheat Harvest Begun Generally	Ground Frozen So as to Stop Plowing Generally
1949	April 16	May 2	Aug. 8	Nov. 19
1950	April 24	May 29	Sept. 2	Nov. 11
1951	April 20	May 11	Aug. 15	Oct. 31
1952	April 18	April 19	Aug. 8	Nov. 24
1953	April 15	May 5	Aug. 15	Nov. 21
1954	April 18	May 16	Aug. 16	Nov. 25
1955	April 11	May 20	Aug. 5	Nov. 2
1956	April 26	May 14	Aug. 15	Nov. 10
1957	April 19	May 4	Aug. 15	Nov. 15
1958	April 10	April 22	Aug. 20	Nov. 17
1959	April 15	April 23	Aug. 13	Nov. 3
1960	April 16	May 21	Aug. 19	Nov. 7
1961	April 21	May 15	Aug. 14	Nov. 5
1962	April 26	June 5	Sept. 3	Nov. 15
1963	April 12	June 1	Aug. 10	Nov. 20
1964	April 22	May 18	Aug. 17	Nov. 10
1965	April 16	May 26	Aug. 27	Nov. 7
1966	April 13	May 25	Aug. 23	Nov. 4
1967	April 23	May 20	Aug. 19	Nov. 21
1968	April 12	May 22	Aug. 27	Nov. 7
1969	April 19	May 21	Aug. 26	Nov. 11
1970	April 25	June 2	Aug. 25	Nov. 16
1971	April 19	May 18	Aug. 26	Oct. 30
1972	April 20	May 15	Aug. 29	Oct. 27
1973	April 5	May 10	Aug. 23	Oct. 30
1974	April 20	June 4	Sept. 10	Nov. 18
1975	April 18	May 16	Aug. 21	Nov. 20
1976	April 11	May 11	Aug. 14	Dec. 2
1977	April 12	May 10	Aug. 12	Nov. 22
1978	April 17	May 14	Aug. 31	Nov. 9
1979	April 25	June 7	Sept. 10	Nov. 22
1980	April 2	May 1	Aug. 26	Nov. 26
1981	April 2	May 2	Aug. 25	Nov. 28
1982	April 21	May 10	Aug. 30	Nov. 16
1983	April 7	May 11	Aug. 12	Nov. 17

SOURCES AND METHODS

Preparation of this Yearbook was similar to that used since the series began in 1963. A large percentage of the material presented for the current year is based on preliminary estimates derived from sample data. Revisions of estimates made in previous Yearbooks are included in this report.

The regular statistics program of Manitoba Agriculture is the major source of material for the Yearbook. This involves close cooperation with Statistics Canada and coordination of information from many sources, including Agriculture Canada, other government and private agencies and business firms dealing in farm products and supplies. Farmers contributed through livestock and crop reporting, as did field and other staff members of Manitoba Agriculture. Basic data from Statistics Canada were derived from mail surveys in cooperation with Manitoba Agriculture. Survey samples vary from one percent to ten percent of farmers, depending on the type of information required.

Regional data for crop districts in the Yearbook can be supplemented by more detailed data for municipalities from the 1981 Census of Agriculture. The Census also provides some information on features of agriculture not covered in this Yearbook. Census division and crop district boundaries were changed in 1976 and Statistics Canada's estimates of crop production using the new boundaries were first made in 1977. Thus, small area estimates since 1977 are not comparable with earlier data.

Some figures may not add due to rounding.

Crops

Total Value of Production. This includes all crops grown on farms in the current year for sale, feed, seed and home consumption at prevailing market prices during the crop year. Disposal of these crops for various uses in the current or subsequent years may have very little effect on the total value. With few exceptions, production value for each crop represents value to the producer.

Prices. Prices used to calculate production value for most crops are those farmers receive at the shipping point. This is regarded as farm value because freight, handling and other marketing charges are deducted. Transport costs incurred by farmers in delivering grain to elevators are included with farm expenses. Average prices for all crops are estimated final prices, based on Manitoba Agriculture market outlook work. As a result, production value is more comparable with previous years, since initial payments would grossly underestimate crop value. Prices are subject to revision after all relevant sales and payments have been made. Small revisions will be necessary in current prices of crops when more information on sales and payments is available.

Areas. Major crop areas are estimated by Statistics Canada in cooperation with Manitoba Agriculture. Minor crops, such as sugar beets, sunflowers and mustard seed, are estimated through contacts with dealers, processors and Department field staff. Estimates, in most cases, are for seeded area while yields are reported on the land devoted to a crop at seeding time. Oats and barley are on a harvested area basis. The November estimate (Statistics Canada 22-002) contains latest area in yield estimates, with a few exceptions as noted.

Yields. Major crop yields are derived from Statistics Canada surveys, integrated with the Manitoba crop reporting program. Minor crops are estimated mainly through the latter and revised as market data require. In some cases, yield multiplied by area may not exactly equal production, due to the rounding of one or more of the three items.

Wheat. Quality data on protein content are obtained from the Canadian Grain Commission. Distribution by grade is based on the Canadian Wheat Board Special Questionnaire No. 1, November when elevator agents estimate the amounts of deliverable grain in each grade. Initial payments to producers are reported by the Wheat Board. Thunder Bay selling prices are recorded by the Canadian Grain Commission. Prices listed are rounded to the nearest cent while marketing data are provided by the Canadian Grain Commission. Such data are also published by Statistics Canada in Cereals and Oilseeds Review #22-007.

Oats and Barley. Distribution by grades and initial payments have the same sources as wheat. Since private firms, in addition to the Wheat Board, sell these grains, Lakehead selling prices are Winnipeg Commodity Exchange cash quotations. These represent final prices more closely than the Wheat Board selling price alone. Marketing data are from the same sources as wheat.

Flaxseed, Canola (rapeseed) and Other Crops. These were treated, for the most part, similarly to the above. Regional data were not always available but verbal description was used when possible. Sugar beets are on a harvested area basis. Values are at the factory level, obtained from the Manitoba Sugar Company, except for the current crop which is estimated. Deduction of freight would not allow the remaining figure to indicate properly the actual sugar beet price, as it would vary considerably depending on the farm location. Forage seed data are from Plant Products Division, Agriculture Canada and the forage specialist, Manitoba Agriculture.

Horticultural Crops. Included are vegetables, potatoes, fruit and ornamentals. The commercial vegetable area and prices are estimated jointly by Statistics Canada and Manitoba Agriculture. An estimate of minor crops, such as peppers, eggplants, vine and specialty crops, is included in the value of vegetable production. Value of noncommercial vegetables represents the value of home-grown vegetables in the province. Processing potato area was obtained from the processors.

Different levels of prices were used with respect to processing, fresh market and farm-consumed potatoes to arrive at the total value. Other horticultural values, including fruit and ornamentals, are derived also in consultation with the provincial horticulturists.

In addition to the major crops listed, production of field beans, fababeans, canary grass seed and lentils also took place.

Sugar beet production value estimates for the current year are based on the per unit value of product sold to date and does not include a final payment to be made when the entire crop has been sold.

Livestock

Production value of cattle and hogs includes inventory change. A gain in numbers on farms is a part of production but a decline during the year is a loss in production. Inventory figures are from Statistics Canada surveys. Animals in the category "local slaughterings" are those farmers kill and eat, kill and sell, or sell locally for slaughter and consumption. These animals, as well as commercial marketings, are a part of production. Inshipments are those animals (1) returned to farms for further feeding after being marketed from other Manitoba farms or (2) brought in from other provinces, usually Saskatchewan. To avoid double counting in the value of production, inshipments are deducted. Commercial marketings include direct exports to other provinces and the United States of animals which do not go through the stockyards but are of Manitoba origin.

Total values of all classes of livestock marketed were estimated from Agriculture Canada's publication "Canada Livestock and Meat Trade Report". From these figures the dollar value per animal, less marketing costs, is calculated and applied to animals produced.

Market and Quality. Data for cattle and hogs are obtained principally from Agriculture Canada's publication "Canada Livestock and Meat Trade Report". Prices are from the same Department and pertain to Stockyard sales, upon which the value of all marketings is based. Calves are defined, generally, as under one year of age or 249 kilograms (550 pounds).

Sheep. Sources are the same as those for cattle and hogs. Production calculation is based on marketings only, due to the small number involved. Wool sources are from Statistics Canada's publications 23-203, 23-204 and 23-205.

Dairy. Production figures are obtained from Statistics Canada, primarily publication 23-001. Production values and itemization were supplied by the Agricultural Division of Statistics Canada. The supplementary payments were not allocated to the different classes of milk but were added in the total value of dairy production.

Poultry. Inventory figures are from the same source as other livestock. Monthly prices are the average of recorded weekly prices from Agriculture Canada. Production values for eggs were obtained from Statistics Canada, publication 23-003. The value of hatching eggs was estimated by Manitoba Agriculture. Statistics on Manitoba egg quota allocation and inventory are obtained from the Tenth Annual Producers Conference Report, Canadian Egg Marketing Agency.

Broiler production was calculated on the basis of registered marketings. Roasting chickens were calculated according to placements as indicated by Agriculture Canada's Hatchery Outlook publication and allowing for a ten percent mortality figure. Broiler turkeys are listed equal to registered marketings of turkeys, 4.5359 kilograms and under (ten pounds and under), and roasting birds are estimated according to marketings and other information. Ducks are listed according to marketings plus an on-farm allowance. Geese are shown according to marketings, exports and Agriculture Canada survey data. Poultry meat prices are calculated per bird according to average weights and information on recorded prices by Agriculture Canada.

Other Products

Honey. Production estimates are made cooperatively by Statistics Canada and Manitoba Agriculture.

Fur. Data are obtained from Statistics Canada's publication 23-207. These data cover only production from fur farms.

Forest. Products are those listed as sales in Statistics Canada farm income estimates.

Resources

Most resource information for Census years is from Statistics Canada, Census Division. Annual summerfallow estimates since 1976 are made cooperatively by Statistics Canada and Manitoba Agriculture.

Farm Numbers. These are taken from the Census according to the current definition of a farm. In 1966 and 1971, a farm was defined as an agricultural holding of 0.40469 hectares (one acre) or more with sales during the previous twelve months of $50.00 or more. Previous definitions were less restrictive. The 1981 Census definition is an agricultural holding with sales of agricultural products during the past 12 months of $250.00 or more. Farm estimates for intervening years are unofficial estimates by Manitoba Agriculture.

Labour Force. Statistics are from the Labour Census, Statistics Canada 94-921 and the 1981 Census of Agriculture 96-908. Wage rates in August come from Statistics Canada.

Cash and Overhead Expenses. These data are taken from Farm Operating Expenses and Depreciation Charges published in Statistics Canada's Farm Net Income publication 21-202.

Machinery. Sales data are from the Canadian Farm and Industrial Equipment Institute.

Fertilizer. Sales data are from the Western Canada Fertilizer Association.

Herbicide. Data are obtained from annual Manitoba Agriculture surveys in contact with wholesalers and manufacturers.

Price Index of Purchases by Farmers. These data come from Statistics Canada's publication 62-002, rounded to the nearest whole number. The indices were revised to 1971 and the base year changed from 1961 to 1971.

Land Values

Data were obtained from the records of land sales in Manitoba collected by the Manitoba Farm Lands Ownership Board.

Income

Cash and net farm income data on a provincial basis are obtained from Statistics Canada publications. Statistics Canada's publication 21-202 (latest available issue) is the source for total cash income. The main source for farm cash details is Statistics Canada's publication 21-001 (latest available issue).

Calculations on a per farm basis are made by Manitoba Agriculture and may not truly reflect exact averages. Census farms, as a basis, are not the only contributors to total sales. Small units, not called farms, do sell produce but it is almost negligible. Per farm figures are rounded to the nearest $100.00. The price index of farm products is obtained from Statistics Canada's publication 62-003, rounded to the nearest whole number and approximated for the current year. Current-year indices are subject to under-representation since they are based on initial prices for grains.

Agriculture in Perspective

Description in relation to Canada makes use of data with the same sources as similar material throughout the Yearbook for Manitoba.

Weather Data

These are obtained on a regular basis for Manitoba Agriculture Reporting Program from the Weather Office, Atmospheric Environment Service, Department of Environment, Room 1000, 266 Graham Avenue, Winnipeg, Manitoba.

Metric Conversion Factors

1 acre = 0.40469 hectares
1 pound = 0.45359 kilograms
1 ounce = 28.35 grams
1 Imperial ton = 0.907185 tonnes
1 Imperial bushel = 0.036368 cubic metres
1 Imperial gallon = 4.546 litres
1 Imperial fluid ounce = 28.413 millilitres
1 foot = 0.3048 metres
1 inch = 2.54 centimetres
°C (Celsius) = 5/9 (°Fahrenheit − 32)